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NEW DELHI, SATURDAY, JUNE 30, 1984 (ASADHA 9, 1906)

इस भाग में भिन्त पृथ्य संस्था की जाती है, जिससे कि यह इ.स.ए संकल्प के रूप में रखा जा एके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और प्रिजाइमों से सम्बन्धित अधिसूचनाएं और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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Calcutta, the 30th June 1984

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(455)

127GT|74

# APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017.

The dates shown in crecent brackets are the dates claimed under Section 135, of the Act.

## 24th May, 1984

- 355|Cal|84, Telefunken Flectronic Gmbh, Tuner for at least two Frequency Ranges.
- 356 Cal 84. Telefunken Electronic Gmbh. Tuning Circuit for the Uhf and Vbf Ranges.

## 25th May, 1984

- 357 Cal 84. Zaklady Azolowe IM. Feliksa Dzierzynskiego. Improvements in or relating to selective oxidation of organic compounds.
- 358 Cal 84. Jean-J. Beaumond. Tridimensional metal Framework for Building Panels.
- 359 Cal 84. Theo Schroders. A Fire-Protective Door Panel.

### 26th May, 1984

- 360|Cal|84, Brojendra Lal Banerjee. A process of manufacture for covered Yarns.
- 361 Cal 84. Olbo Textilwerke Gmbh. Tire Cord Fabric.
- 362 Cal[84. Yellowstone Limited. Automatic Ladling Apparatus.

## 28th May, 1984

- 363 Cal 84. Nitindra Chandra Roy, Roy's speed Accelerator.
- 364[Cal]84. Nitindra Chandra Roy. Roy's force Regulation system.
- 365|Cal|84 Ethicon, Inc. Hemostatic Clip with Penetration Means.
- 366|Cal|84. Furma Manufacturing Co. Pty. Ltd. Riveting Apparatus. (27th May 1983 and 16th December, 1983).
- 367 Cal 84. Yellowstone Limited, Control system for Automatic Ladling Apparatus.

## 29th May, 1984

- 368 Cal 84. Ramnarayan Chakravorty. A Solar Geyser System. 369 Cal 84. Ramnarayan Chakravorty. An indoor solar cooking system.
- 370|Cal|84. Gea Luftkuhlergesellschaft Huppel Gmbh & CO KG. Air-Cooled Surface Condenser.
- 371 Cal 84. Takeda Chemical Industries Ltd. Cephalopsprin Ester Derivatives, their production and use.
- 372 Cal 84. Voest-Alpine Aktiengesellschaft, Device for drying Organic solids of high water content,
- 373 Cal 84. Ranendra Nath Das. Speed Reduction gearing system emplying an Universe solar system over R.W.D. method. (Addition to No. 1391 Cal 82 dated 29th November, 1982).

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371 Del 84. The Chief Controller Research & Development, "A metal forming process".

- 372|Del|84. The Chief Controller Research & Development, "A metal forming process".
- 373 Del 84. Sudha Sen, "An electrical combination code"
- 374[Del|84. Cement Research Institute of India, "A vertical shaftkiin".
- 375 Del 84. Instruments & Components, "A control mechan-
- 376 Del 84. DLF Universal Limited, "A potters wheel".
- 377 Del 84. Dorr Oliver Incorporated, "Vacuum expressor device for a rotary drum filter".
- 378 Del 84. Council of Scientific and Industrial Research, "Process for the conversion of tertiary alkyl halides into ethers". [Divisional date July 10, 1980].
- 379 Del 84. Warner-Lambert Company, "Appratus and method for sealing capsules".

## 2nd May, 1984

- 380 Del 84. Council of Scientific and Industrial Research, "Process for the conversion of tertiary alkyl halides into the corresponding alcohols".
  [Divisional date July 10, 1980].
- 381 Del 84. Elisabeth Hochstrasser and Jurgen Hochstrasser, "Turning mechanism operating alternately in opposite directions to facilitate the driving in or extracting of piles".

## 7th May, 1984

- 382 Del 84. Societe Anonyme D.B.A., "Brake Motor with Automatic Adjustment".
- 383 Del 84. Imperial Chemical Industries PLC., "4, 4'-Alky lenedipiperidine Derivatives". (May 9, 1983).
- 384|Del|84. Gerald Anthony John Francis Mckeown, "Odds Indicator Device". (May 10, 1983).
- 385|Del|84. Imperial Chemical Industries PLC., "DIAZ (EP) INE BIS (N-AMIDINOAMIDINE) DERIVATIVES". (May 9, 1983).
- 386 Del 84. L'Air Liquide, Societe Anonyme Pour L' Etude Et L'Exploitation Des Procedes Georges Claude, "Hydrogen-Concentrating Process and Apparatus".

## 8th May, 1984

- 387 Del 84. Suresh Kumar Chawla, "A power generation apparatus".
- 388 Del 84. Santhanam Muthuswamy Appavoo Maruthia. "A yoke for an animal driven vehicle".
- 389 Del 84. Heinz Kalser Aktiengesellschaft, "Device for connecting a tool part to a connecting shaft".
- 390|Del|84. David Michael Geshwind, "Sequence versatile video disk system".

## 9th May, 1984

- 391 Del 84. Gist-Brocades N.V., "Oxyteracyclin-solutions".
- 392|Del|84. Vereinigte Edelstahlwerke Aktiengesellsheft (VEW), "Metallurgical vessel".

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- 393 Del 84. Shirley A. Wisdom, "Apparatus for the uniform distribution of fuel to a multi cylinder spark ignition engine". (May 19, 1983).
- 394 Del 84. Bansi Lal Safaya, "A stretcher trolley".

- 395|Del|84. Cement Research Institute of India, "A vertical shaft kiln".
- 396|Del|84. Adarsh Kumar, "Adarsh Anaerobic dish".

## 11th May, 1984

- 397 Del 84. Bal Krishan Gupta, "Sealing ring for L P gas cylinder valve".
- 398|Del|84. PRB Nobel Explosifs, "Compositions of the explosives emulsion" type, process for their manufacture and application of these compositions".

## 14th May, 1984

- 399 Del 84. Creusot Loire, "Improved method and installation for processing a fuel material in to fluidized bed".
- 400|Del|84. Esselte Pac Aktiebolag, "The opening means for containers".
- 401 Del 84. Esselte Pac Aktiebolag, "Apparatus for forming and inserting an internal lid in a container".
- 402|Del|84. Esselte Pac. Aktiebolag, "Container having a bellow bottom and method and apparatus for manufacturing such container".
- 403 Del 84. Esselte Pac Aktiebolag, "Tubular container having a tear opening means".

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- 404 Del 84. Esselte Pac Aktiebolag, "Method and means for joining and sealing of material parts and use of such means in containers".
- 405 Del 84. The Parker Pen Company, "Pocket clip for writing instrument".

## 16th May, 1984

- 406 Del 84. Sirajuddin, "Improvements in or relating to blowers".
- 407|Del|84. M&T Chemicals Inc., "Glass Container hot end coating formulation".
- APPLICATION FOR PATENTS FILED IN THE PATENT OFFICE BRANCH BOMBAY AT TODI ESTATES LOWER PAREL WEST BOMBAY-13.

## 4th April, 1984

- 91|BOM|84. Maneklal Scientific Research. An improved tow piece tamperproof centainer such as capsule.
- 92|BOM|84. Hindustan Lever Ltd. Method for prepaing Fabric softening compositions.
- 93|BOM|84. Kersi Hormusji Kadodwalla. A lock for Spare Wheel or Bonnet of land vehicle.
- 94|BOM|84. Arun Khannta, Method of assembly of an open office system and an open office obtained thereby.
- 95 BOM 84. Arun Khanna. Connectors.
- 96|BOM|84. David George De Montmorency. Guide casc.

## 5th April, 1984

97|BOM|84. Shivaprasad H Thaker. PICK-A-DENT.

## 6th April, 1984

98 BOM 84. Dr. Pharokh Dhunjishaw Sunavala, Diffusion flame submerged combstion burner.

## 7th April, 1984

99|BOM|84. Mitsubishi Denki Kabusiki Kaisha. Generator Circuitry.

- 100 BOM 84. Damodar Ranjan. Weighing Device.
- 101/BOM/84. S. H. Thaker. TARGARD.
- 102 BOM 84. Pestonji Jal Padshan. Improved physical exorcise Device for strengthening and Developing the Muscles of the Body.

#### 9th April, 1984

- 103|BOM|84. Ion exchange India Ltd. Method for the Removal of iron from water.
- 104 BOM 84. Ion exchange India Ltd. Process for the preparation of Improved Macroporous Anion Exchangers.
- 105|BOM|84. K, R. Dholaria. A helical foot valve.

## 10th April, 1984

- 106/BOM/84. S. H. Thaker, KOLAR-EZE-BUTON.
- 107|BOM|84. V. C. Shuh. Substantial extension of the life of a tungsten filamant lamp by expliting the resilence property of the coil.

### 11th April, 1984

- 108 BOM 84. G. R. Patel. A Bicycle Trailer Chair Ambulance.
- 109 BOM 84. G.R. Patel. A Bicycle Trailer Ambulance.
- 110 BOM 84. Vasant Chheda. Improved process for manufacturing door beadings for automobile and door beadings produced thereby.
- 111|BOM|84. Eagle Flask Pvt. Ltd. Electronic water filter & Process.
- 112|BOM|84. KABFLSCHLEPP GmbH. Energy Conductor Chain.

## 12th April, 1984

113 BOM 84. Jaysynth Dyechem Pvt. Ltd. A Process for the preparation of a reactive dye having atleast two reactive systems and such a reactive dye obtained thereby.

## 16th April, 1984

- 114 BOM 84. Hindustan Antibiotics Ltd. A process for the preparation of Antibody or Antigen protein or Polypeptide Homeonepenicillinase Conjugates.
- [15] BOM | 84. Nirmal Pannalal. Electric Peripheral Hammer Core-Drill.
- 116 BOM 84. Suessen Textile Bearings Ltd. Adevice which can be mounted upon an external grinding machine for centreless plunge grinding of concentric surfaces.
- 117 BOM 84. Sucssen Textile Bearings Ltd. Narrow neck spindle insert for a ring Spinning Machine.
- 118 BOM 84. A. K. Gathorin, Autocyclic Fuel Spray Gun Device.
- [119] BOM 84. A. K. Gathoria. Protective Cartridge Cap Cum Tray for shaving Cartridge.

## 17th April, 1984

[20]BOM[84. Bayer (India) Ltd. Novel Method of Manufacture of 4-Amino-Diphenylamine.

## 19th April, 1984

121 BOM 84. Natendra R. Paranjape. Level Detection Device for Liquids in gauge glass,

#### 25th April, 1984

122 BOM 84. Hindustan Lever Ltd. U.K. (29-4-1983). Detergent Compositions.

#### 26th April, 1984

- 123 BOM 84. Santrade Limited. Canada (2-11-83). Device for Extruding Flowable Substances.
- 124|BOM|84. Karsan Ramjibhai Dholaria. A diaphram operated foot valve.
- 125]BOM|84. Naginbhai K. Patel. A novel jet spray device for commodes and the like for personal hygeine.

#### 28th April, 1984

- 126 BOM 84. Shivaprasad H. Thaker. Squee-Zce.
- 127 BOM 84. Dr. R. V. Warhadpande. Controlled Continuous Drug Injecting Device.

#### 30th April 1984

- 128|BOM|84. M. Navani. Button Stiching Machine.
- 129 BOM 84. Indian Petrochemicals Corpn. Ltd. Removal of Cyanides from Acetonitrile Stream.

## 2nd May, 1984

- 130 BOM 84. Hindustan Lever Limited. Bleaching and cleaning Composition.
- 131 BOM 84. Dilip P. Somaya, Fastner,

#### 3rd May, 1984

- 132|BOM|84. T. K. Dhonde. A novel single chain track tractor for use in agricultural Industries.
- 133|BOM|84. S. N. Pathak. A novel fuel filter cartridge with disposable filter element for diesel fuel tank.

#### 5th May, 1984

- 134 BOM 84. Rahul Amin. Fluidless Stepless starting clutch.
- 135 BOM 84. Rahul Amin. Explosion-Proof Housing fo starting Clutches.
- 136|BOM|84. Hindustan Ciba-Geigy Ltd. Synergistic Tooth Powder,
- 137|BOM|84. Hindustan Antibiotics Ltd. Preparation of Conjugate of Peptide Hormones with Pencillinase for Detection and Estimation of Protein Hormones

## 7th May, 1984

- 138 BOM 84. Ion Exchange (India) Ltd. Preparation of Improved Isoporous Anion Exchange Resins.
- [39]BOM[84. Bajaj Auto Ltd. Improvements in or relating to the Clutch of a Motor Vehicle, particularly in two wheeled motor vehicles and three wheeled motor vehicles,
- 140]BOM]84. Indian Oil Corpn. Ltd. A lubricating Oil Additive Concentrate.
- 141 BOM 84. Dr. K. P. Tamaskar, Tamaskar's Laparoscopy Table for Camps.

## 8th May, 1984

142 BOM 84. Mrs. Uma J. Lahir. A novel electronic device for generating electromagnetic impulses for bone growth stimulation.

## 9th May, 1984

[443]BOM[84. S. N. Bhagi & M. Bhagi. Partial Discharge Mechanism for Flush Cisterns.

- 144|BOM|84. Geshuri Laboratories. Process for producing N-Phosphonomethylglycine Acid.
- APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH. 61, WALLAJAH ROAD, MADRAS-600 002,

#### 7th May, 1984

- 336 Mas 84. S. Paul. Micro Car.
- 337 Mas 84. Contraves AG. Optical system for a sighting device.
- 338 Mas 84. Contraves AG. Periscope-like sighting device.
- 339 Mas 84. I.C.A. S.p.Λ. Apparatus for producing and filling of bags.

## 8th May, 1984

- 340 Mas 84. Kuberappa. Three-in-one type writer i.e. English Hindi & Kannada or English, Hindi and any of the Regional Language.
- 341 Mas 84. Atochem, Process for the cyclisation of orthobenzoylbenzoic acid.

#### 9th May, 1984

- 342 Mas 84. Ceat Tyres of India Limited. Design of a nore glass reinforced plastic grid motorable roadway in collapsible form for providing a non skid surface in sandy and marshy soils.
- 343 Mas 84. Tsung-Hsien Kuo. Improved refuse incineration system. (March 9, 1984).
- 344 Mas 84. Rhone-Poulenc Chimie De Base. Process for the purification of a mixture of water C<sub>1</sub>-C<sub>2</sub>-alcohol impurities resulting from an industrial process for the manufacture of ethanol, by means of an extraction agent.

## 10th May, 1984

- 345 Mas 84. Hylsa. Method of reducing iron ore.
- 346 Mas 84. Societe des Produits Nestle S. A. Preparation of serotonine and derivatives.
- 347 Mas 84. Stopansko Obedinenie "QUARZ" A method for thermal insulation of industrial furnace crowns.

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348 Mas 84. Henkel Kommanditgesellschaft auf Aktien. The use of copolymers of esters and amides of acrylic and or methacrylic acid as pour point depressants for paraffin solutions.

## 14th May, 1984

- 349 Mas 84. Linde Aktiengesellschaft. Process and Apparatus for fractionation of a gaseous mixture.
- 350 Mas 84. Corning Glass Works. Low dispression, Low-Loss Single-mode Optical Waveguide.
- 351 Mas 84. Corning Glass Works. Method of forming glass or ceramic article.
- 352 Mas 84. Preformed Line Products Company. A component of a bending strain relief assembly for clongated flexible members. Divisional to Application No. 424 Cal 82.
- 353 Mas 84. Kvorin Pharmaceutical Co. Ltd. Quinolonecarboxylic acid derivatives.

## 16th May, 1984

- 354 Mas 84. Centennial Jewellers, Inc. Diamond gauge. 355 Mas 84. Gratzmuller Claude, Alain. An oleopneumatic control system for electric circuit-breakers.
- 356 Mas 84, Hoechst Aktiengesellschaft. Precess for making concentrated titunium dioxide.

## 17th May, 1984

- 357|Mas/84. Otsuka Chemical Co., 1.td. Process for prepuring carbamate derivatives. Divisional to Application No. 354|Cal|82.
- 358 Mas 84. The Dow Chemical Company. Water-in-oil emulsion polymerization processes and the water-in-oil emulsions prepared therefrom.
- 359 Mas 84. Institut Français Du Petrole. A connection system between a main body and a superstructure.

## 18th May, 1984

- 360|Mas|84, M. Parthasarathy. A water cooler.
- 361 Mas 84. M. Parthusarathy. A process for drying of material.
- 362 Mas/84 Barr & Stroud Limited. Optical range simulator devices. (May 19, 1983).
- 363 Mas 84. Union Carbide Corporation Novel elastometic silicone finishes and method of preparing same.
- 364 Mas 84. Corning Glass Works, Polarization-retaining Single-mode Optical Waveguide,
- 365 Mas/84. Sumitomo Electric Industries, Ltd. Drill.

## 19th May, 1984

- 366 Mas 84. Maschincufebuk Rieter AG. Open end yarn piecer. (May 20, 1983).
- 367|Mas|84. Maschinenfabrik Rieter AG. Automat Location System. (May 24, 1983).
- 368 Mas 84. Maschinenfabrik Rieter AG. Bobbin Inserting Device (May 20, 1983).

## ALTERATION OF DATE

153305

(459|Del|82) Ante-dated to 17th October, 1979.

153306

(460|Del|82) Ante-dated to 17th October, 1979.

152207

(461|Del|82) Ante-dated to 17th October, 1979.

153328

(642|Del|1979) Ante-dated to 13th March, 1980,

153334

(774|Del|79) Ante-dated to 18th March, 1983,

## COMPLETE SPECIFICATION ACCEPTED

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## CLASS 63H

153290.

Int. Cl. H OJ f 1/00.

PROCESS FOR MANUFACTURING MAGNETIC POLE ASSEMBLY.

Applicants: KANETSU KOGYO KABUSHIKI KAISHA OF 1111 OAZA UEDAHARA, UEDA-SHI, NAGANO-KEN, JAPAN.

Inventor: 1, MAMORU UCHIKUNE.

Application No. 9|Cal|81 filed January 5, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 11 Claims.

A process for manufacturing a magnetic pole assembly having non-magnetic member and a pair of magnetic pole members coupled together, with said non-magnetic member interposed therebetween, comprising the steps of;

Providing in said pair of magnetic pole members, holes having one ends open from the opposing surface of said magnetic pole members; and.

molding said non-magnetic member by using as part of a mold said pair of magnetic pole members disposed in an opposed relation to and at a given spacing from each other, thereby coupling said pair of magnetic pole members to each other through the medium of said non-magnetic mem-

Compl. specn. 10 pages. Drgs. 3 sheets.

## CLASS 87C & E

153291.

Int. Cl. A 63 b 69|24.

CRICKET STROKE PRACTICE DEVICE.

Applicants & Inventor: PHILLIP JOSEPH CAHILI., OF POST OFFICE, BOX 17, MERREDIN, IN THE STATE OF WESTERN AUSTRALIA.

Application No. 15|Cal[81 filed January 7, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A cricket stroke practice device constructed of any suited configuration, for example, a rectangular configuration, cemprising a pair of parallel side frames, each side frame being formed from vertical posts rigidly spaced apart by horizontal connecting members, a resilient sheet-like material covering the area of each of said side frames, a pair of upper transverse members rigidly connecting the said pair of side frames, a ball suspended from one of said upper transverse members by a flexible line which passes over two pulleys and is secured to one of said vertical posts, and an elevated resilient

sheet like material provided at the end of the device opposite to that supporting said ball, the uppermost edge of said elevated sheet like material being secured to the other of said upper transverse members and the lower edge being secured to a lower outwardly curved member.

Compl. specn. 7 pages. Drgs. 2 sheets.

CLASS 53E

153292.

Int. Cl. B 62 k 19|00.

BICYCLE FRAME.

Applicants: TEL GRAPHIC DESIGN|INDUSTRIAL DESIGN|PUBLIC RELATIONS B. V., OF EMMAPARK 14, 2595 ET THE HAGUE, THE NETHERLANDS.

Inventors: 1. DE LA HAYE CORNELIS FRANCISCUS 2, C. FOCKSTRAAT.

Application No. 177 Cal 81 filed February 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcuita.

#### 9 Claims,

A bicycle frame having a front fork and a back fork, a steering head sleeve and a pedal shaft sleeve, characterized in that an oblique tube extending towards the steering head sleeve is pivotably connected to the backform and is substantially in alignment with the back form, a bar extends from the pivot point towards a saddle support means and a bar extends towards the pedal shaft sleeve said bars being likewise substantially mutually in alignment, the free ends of the back fork and to the steering head sleeve by tensioning wires.

Compl. specn. 11 pages. Drgs. 2 sheets.

CLASS 32F<sub>2</sub>b; 55E<sub>8</sub>.

153293.

Int. Cl. C07d 85|00, 89|00.

A PROCESS FOR THE MANUFACTURRE OF NOVEL BENZAZOLE DERIVATIVES.

Applicants: CIBA-GEIGY AG, KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

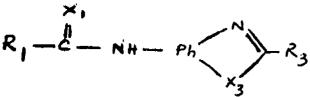
Inventors: 1. JEAN JACQUES GALLAY, 2. ERNST SCHWEIZER.

Application No. 500 Cal 81 filed May 12, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 27 Claims,

A process for the manufacture of a novel benzazole derivate the formula 1 shown in the accompanying drawing



## Formula I

in which  $R_1$  represents an optionally by oxido and/or lower alkyl optionally substituted by hydroxy in a position higher than the  $\alpha$ -position 4-substituted piperazino group or a group of the formula  $R_2$ alk- $X_2$ -,

 $R_z$  represents optionally esterified carboxy or represents hydroxy-methy1,

alk represents lower talkylene or lower alkylidene.

 $X_1$  and  $X_2$  independently of one another each represents oxygen or sulphur,

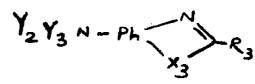
Ph represent 1, 2-1 phenylone optionally substituted as well as by the group  $R_1 - C = X_1 - NH_2$ ,

X<sub>3</sub> represents oxygen, sulphur or optionally substituted imino, and R<sub>3</sub> represents optionally fluorine substituted lower alkyl or cycloalkyl.

or a salt, especially a pharmaceutically acceptable salt into thereof, characterised in that compounds of the formulae II and III shown in the drawings,



Formula II



#### Formula III

in which Y<sub>1</sub> represents hydrogen and Y<sub>2</sub> and Y<sub>3</sub> together represent a group of the formula =C=X<sub>1</sub> or salts thereof, are condensed with one another, or and, if desired, a compound obtained is converted into a different compound of the formula I and or a salt obtained is converted into the free compound or into a different salt.

Compl. specn. 43 pages. Drgs. 1 sheet.

CLASS 32F2b; 60X3d.

153294.

Int. Cl. A61 k 27|00; C07 d 29|00.

AN IMPROVED PROCESS FOR THE PREPARATION OF 3-PICOLINE.

Applicants: LONZA LTD., OF GAMPEL|VALAIS, SWITZERLAND.

Inventor; 1. ROLF DINKEL.

Application No. 524 Cal 81 filed May 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 23 Claims.

An improved process for the preparation of 3-picoline, wherein an aldehyde selected from acetaldehyde, crotonaldehyde or a mixture thereof is reacted with formaldehyde characterised in that said reaction is carried out in the liquid phase in the presence of an ammonium salt at a temperature of from 180° to 280°C in a closed vessel.

Compl. specn. 19 pages,

Drgs. Nil.

CLASS: 144E<sub>e</sub>.

153295.

Int. Cl. C09 b 63|00.

PROCESS FOR PREPARATING A PIGMENT FOR CULOUR-CHANGING HEAT INDICATOR.

Applicants: ALMALYSKY GORNO- METALLURGICHE-SKY KOMBINAT, OF ALMALYK TASHKENTASKOI OB-LASTI, USSR.

Inventors: 1 STANISLAV FEDOTOVICH KHMELKOV, 2, MNAIDAR RAMAZANOVICH RAMAZANOV, 3. MI-KHAIL PETROVICH SOLDATOV, 4. VADIM VASILLE-VYCH BESKARAVAINY, 5. VIKTOR LVOVICH ARANOVICH, 6. LEV KUZMICH SOLDAEV.

Application No. 531 |Cal|81 filed May 19, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

Process for preparing pigments for colour-changing heat indicators which comprises reacting an aqueous solution containing ions of copper and mercury with an aqueous solution of a nitrogen-containing organic compound: an amide of carbonic acid, an amide of thiocarbonic acid, a tertiary amine to obtain a reaction mixture which is reacted with an aqueous solution containing ions of iodine at the atomic ration of copper; mercury: idoine equal to 2: 1, 5: 3-5 and an amount of the nitrogen-containing organic compound equal to 0.8-8% of the total content of copper and mercury.

Compl. speen. 10 pages.

Drgs. Nil.

CLASS: 139G.

151296

Int. Cl. C01b 17|00.

PROCESS FOR RECOVERY OF SULFUR FROM ACID GASES CONTAINING HYDROGEN SULPHIDE AND OTHER SULPHUR CONTAINING COMPOUNDS,

Applicants: METALLGESELLSCHAFT A. G., OF 16, FRANKFURT A.M., REUTERWEG, WEST GERMANY.

Inventors: 1. JOHANN SCHLAUER, 2. HERBERT FISHER, 3. DR. MANFRED KRIEBEL.

Application No. 920 Cal 81 filed August 18, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

#### 12 Claims

In a process for recovery of sulfur from acid gases containing  $H_3S$  and other S-containing compounds in the Claus process, the step of decreasing the sulfur content of exhaust gases, wherein the S-Compounds contained in the exhaust gas are chemically reacted to form elementary sulfur and the sulfur is withdrawn, characterized in that the acid gases which contain  $H_3S$  and other S-containing compounds are reacted in a Claus plant to form elementary sulfur, a gas which contains  $H_3S$  or  $SO_8$  is added at a controlled rate to maintain a stoichiometric molar ration of 2:1 of  $H_3S$  and  $SO_2$  in the exhaust gas from the Claus plant, said two constituents are catalytically reacted to form elementary sulfur and the sulfur is withdrawn by conventional method.

Compl. specn. 19 pages.

Drgs, 1 sheet.

CLASS: 126A.

153297

Int. Cl. G01 r 29 00.

DEVICE FOR MEASURING LOCAL ELECTRIC CONDUCTIVITY OF PLASMA.

Applicants: INSTITUT VYSOKIKH TEMPERATURE AKADEMII NAUK SSSR, OF KOROVINSKOE SHOSSE, MOSCOW, USSR.

Inventors: ANATOLY PAVLOVICH NEFEDOV, 2. FELIX MIKHAILOVICH OBERMAN, 3. IURY GRIGORIE-VICH KATOSHIN, 4. SEMEN IOSIFOVICH KRUGLY, 5. GENNADY PETROVICH MALJUZHONOK, 6. JURY SERGEEVICH MIKHAILOV.

Application No. 1073 Cal 81 filed September 25, 1981.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A device for measuring local electric conductivity of plasma, wherein there are provided a probe having an inductive sensor at the end thereof, a pneumatic probe drive mechanism kinematically coupled to the probe, a measuring oscillator, a detector, a means for calibrating the inductive sensor, an electropneumatic control unit, a unit for recording measurements which is coupled to the inductive sensor via a differential stage, a unit for feeding commands which is coupled to the means for calibrating the inductive sensor via the electropneumatic con-

trol unit, an optoelectronic converter having a power supply unit, a switch, and a memory member, a series circuit including the inductive sensor, measuring oscillator in which the resonant circuit is formed by the inductive sensor and a detector being accommodated in the probe casing, at the working end thereof, the output of the measuring oscillator being compled, via the detector and optoelectronic converter, to one input of the differential stage having another input thereof which is connected to the memory member, both inputs of the differential stage are connected to the switch, and inputs of the measurement recording unit are connected to outputs of the unit for feeding commands and of the differential stage.

Compl. specn, 24 pages.

Drgs. 3 sheets.

CLASS: 47C.

753298

Int. Cl. C10b 43[08,

MULTIORIFICE PRESSURE NOZZLE DEVICE FOR COKE OVENS.

Applicants: DR. C. OTTO & COMP. GMBH., OF CHRISTSRASSE 9, 4630 BOCHUM, WEST GERMANY.

Inventors: 1, DR, CARL-HEINZ STRUCK, 2. RALF SCHUMACHER.

Application No. 1454 Cal 81 filed December 24, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

A multiorifice pressure nozzle device for supplying a propellant and trickle water, the device being disposed in the tube connecting the gas offlake pipe to the gas collecting main of coke ovens, the prepellant being supplied through bores which widen frustum-fashion and are disposed on one or more circles around a central orifice, the between-centres distance of bores in the same circle being from 1.5 to 2.5 times, preferably from 1.8 to 2.2 times, the diameter of the exit and of the bores if the propellant is steam or some other compressible agent, such distance being from 1.8 to 2.8 times, preferably 2.4 times, such diameter if the propellant is pressurised water, characterised in that the central orifice takes the form of a known commercially available hollow-cone nozzle (3) which is disposed centrally and concentrically of the bores (2) in the multiorifice pressure nozzle device (1) and is connected to a separate line for the supply of low-pressure trickle water.

Compl. specn. 7 pages.

Drgs. 2 sheets.

CLASS: 114D. Int. Cl. C14c 3|00. 153299

"A PROCESS FOR THE PREPARATION OF A VEGET-ABLE SELF-TANNING MATERIAL FROM CAESALPINIS CORIARIA OR DIVIDIVI PODS FOR USE IN LEATHER INDUSTRY".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: KONDA KRISHNA REDDY, VAJHALA SYAMA SUNDARA RAO. KOTAGAL NANJUNDA SHAMA SASTRY, TALLURY VIJAYARAMAYYA. M. SANTAPPA AND YALAVARTHY NAYUDAMMA.

Application for patent No. 672|DEL|79 filed on 22nd September, 1979.

Complete Specification left on 19th September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

A process for the preparation of a vegetable self-tanning material from Caesalpinis Coriatia or dividivi pods for use in leather industry comprising reacting aqueous extract of Caesalpinis Corhyria or dividivi pods with sulphonated reaction product of phenol and formaldehyde in acidic medium with usea—a novolae resin, and spray drying the product formed to obtain the desired self-tanning material.

(Provisional Specification 9 pages.

Drgs, one sheet.

Compl. specn, 9 pages.)

CLASS: 32F2(n) and 55F4.

153300.

Int, Cl C07d 57|00-

"PROCESS FOR PREPARING DEXTROROTATORY TRANS 2 SUBSTITUTED 5-ARYL-2, 3, 4, 4a, 5, 9b HEX-AHYDRO 1H PYRIDO [4, 3-b] INDOLES".

Applicant: PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

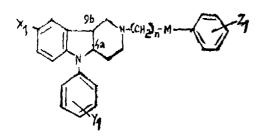
Inventor: WILLARD MCKOWANWELCH JR.

Application for patent No. 726 DEI 79 filed on 17th October, 1975.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 8 Claims

A process for obtaining trans-2-substituted-5-aryl-2, 3, 4, 4a, 5, 9b-hexahydro-1H-pvrido (4,3)-b) indoles of the formula I:



Formula I

whereby the hydrogen atoms attached to the 4a- and 9b- positions are in a trans-relationship to each other and  $X_1$  and  $Y_1$  are the same or different and each is hydrogen or fluoro;  $Z_1$  is hydrogen, fluoro or methoxy; n is 3 or 4 and M is of the formulae XXII or XXIII:



CH

CITIOH

Formula XXII Formula XXIII

0

or a mixture thereof or is -e- and wherein the 5-aryl-2, 3, 4, 4a, 5, 9h-hexahydro-1H-pyrido (4, 3, b) indolo moiety is a dest-octotatory characterized in that a compound of formula  $\Pi$ :

$$x_1$$
 $N-(CH_2)_n-CH$ 
 $Z_1$ 

Formula II

wherein the hydrogen atoms attached to the 4a- and 9b- positions are in a *trans*-relationship to each other and  $X_1$ ,  $Y_1$  and  $Z_1$  and  $R_2$  and  $R_3$  are as defined above;

is esterfied with an optically active acid as described berein, the diastereomeric esters separated by known methods and the dextrorotory isomers are recovered by known methods and hydrolyzed with the proviso that to obtain a product wherein M is C=0 the product of the hydrolysis is oxidized.

Compl. speen. 68 pages.

Drgs. 7 sheets.

CLASS: 85C, Q.

153301

Int. Cl. F27b 13|12.

AN IMPROVED ROTARY KILN FOR CARRYING OUT CHEMICAL REACTIONS BETWEEN SOLIDS AND FLUIDS AND FLUIDS,

Applicant: COUNCIL OF SCIENTIFIC AND INDUST-TRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORAT-ED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: POKKUNURI SAT YANARAYANA, MURTI. RAMCHANDRA NAGESH PARLIKAR, THALUSANI KRISHNA REDDY, GAJULA VENKATA YUGANDHAR, VITHAL GAWALI, SHASHIKANT RENUKA DAS RAOBENDE AND BANDARI PRAKASH RAO.

Application for patent No. 773|DEL|79 filed on 3rd November, 1979.

Complete Specification left on 31st January, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 7 Claims

A improved rotary kiln for carrying out chemical reactions between worlds and fluids and fluids and fluids comprising a plurality of fluid delivery nozzles mounted on the exterior of the kiln for rotation therewith for admitting fluid into the reaction chamber of the kiln, each nozzle being connected by a transfer conduit to one of plurality of feed conduits arranged longitudinally along the exterior circumference of the kiln shell, the said feed conduits passing radially into the interior of the kiln to form a jointed end, and leaving the kiln end coaxially, and being connected circumferentially to a rotary valve operating means, said rotary valve operating means being supported on the rotary kiln and connected to said plurality of nozzles by means of said feed conduits and told transfer conduits in order to effect intermittent entry of fluid into a reaction chamber of the kiln in a predetermined manner

(Provisional Specification 15 pages,

(Compl. speen, 12 pages.

Drgs. 4 sheets).

CLASS: 177D.

153307.

Int. Class: F22g 5 10.

"A SYSTEM FOR REHEAT TEMPERATURE CONTROL IN UTILITY STEAM GENERATOR",

\_\_\_\_\_

Applicant: BHARAT HEAVY ELECTRICALS LTD., an Indian Company of 18-20, Kasturba Gandhi Marg, New Delbi-110001.

Inventor: KARUPPAGOWNDER PONNUSAMI.

Application for Patent No. 778 Del 79 filed on 5th November, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110001.

## (8 claims)

A reheat temperature control system in a utility steam generator for a multistage steam turbine, comprising a two stage steam reheater arranged in the furnace of the steam generator, each stage of the reheater having its own inlet header and outlet header, cold reheat steam pipe line from high pressure stage of turbine being connected to the inlet header of the first stage reheater, the outlet header of the first stage reheater and the inlet header of the second stage reheater being connected together, the outlet header of the second stage геheater being connected hot reheat steam pipe line leading to intermediate pressure stage of the turbine characterised in that a by-pass line is connected between the inlet header and the outlet header of the first stage reheater and in that a control valve is provided in the said by pass line for regulating the steam passed through the first stage reheater and thereby the temperature to which the steam is reheated in the steam generator.

(Complete specification 12 pages. Drawing 3 sheets),

CLASS: 70C 4 & 98I.

153303.

Int. Class: C 23, 5|06; 5|08.

PROCESS FOR DIRECT NICKEL AND CHROMIUM PLATING OF SUBSTRATES OF ALUMINIUM AND ITS ALLOYS FOR SOLAR COLLECTOR APPLICATIONS.

Applicant: Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventor: Balkunje Anantha Shenoi,

Venkataraman Balasubramanian.

Natti Upendra Nayak.

Application for Patent No. 785 DEL 79 filed on 5th November, 1979.

Complete specification left on 25th November, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent office Branch, New Delhi-110005.

## (6 claims)

Process for direct nickel and chromium plating of substrates of aluminium and its alloys for solar collector applications comprising polishing, degreasing and alkali cleaning the substrate, characterised in that the substrated in further sub-leced to acid etching and then to nickel plating in an electrolytic bath consisting of:

- (a) nickel sulphate---50-200 gll.
- (b) nickel sulphamate-0-300 g/I.
- (c) nickel fluoborate- 0-- 90 gH.
- (d) nickel chloride, and-1-6 gll.
- (e) boric acid--25-40 g/I,

2-127GJ/84

and then black chromium plating in an electrolytic bath consisting of 3

- (a) chromic acid-400-450 g<sub>I</sub>I.
- (b) sodium hydroxide—50-60 g/I.
- (e) sucrose, and -2-3 g[L]
- (d) sodium nitrate-0 3 g<sub>1</sub>I.

in the presence of a catalyst such as fluoboric acid, fluosilicic acid or seleneous acid in an amount of 0.5 to 1.5 g/l.

(Provisional specification 6 pages).

(Complete specification 8 pages).

CLASS: 12 B & 129 Q.

153304.

Int. Class: B23p 9[00.

"POWDER FRICTION WELDING PROCESS FOR THE HARDFACING OF PRESSURE VALVE BODIES AND APPARATUS THEREFOR".

Applicant: BHARAT HEAVY ELECTRICALS LTD., 18-20. Kasturba Gandhi Marg, New Delhi-110001, India, an Indian company.

inventors: SONTI NAGESH, RAMACHANDRAN VENKATESAN & ARANTANGI NARAYANAN DWARA-KAN.

Application for Patent No. 824|Del|79 filed on 17th November, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Ruels, 1972) Patent Office Branch, New Delhi-110005.

## (9 claims)

A welding process for hardfacing seats of valves for fluids under high pressure comprising the steps of packing stellite powder or chips on the valve scat in a valve body, subjecting the stellite powder or chips to pressure by a rotating spindle causing the stellite powder or chips to fuse into a consolidated mass and to be uniformly bonded to the valve scat by welding under frictional forces.

(Complete specification 8 pages. Drawing 2 sheets).

CLASS:  $32F_{\Sigma}(n)$ .

153305.

Int. Class: C07d 57|00.

"PROCESS FOR PREPARING 2-SUBSTITUTED-TRANS-5-ARYL-2, 3, 4, 4a, 9b, HEXAHYDRO-1H, 4, 3b INDOLES".

Applicant: PFIZER INC., a corporation organised under the laws of the State of Delaware, United States of America, of 235 East 42nd Street, New York, United States of America.

Inventor: WILLARD MCKOWAN WELCH, JR!

Application for Patent No. 459 Del<sup>1</sup>32 filed on 18th June, 1982.

Divided out of application for patent No. 726|Del|79 dated 17th October, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patent, Rule, 1972) Patent Office Branch, New Delhi-110005

#### (5 claims)

A process for production of a compound of the formula I.

wherein the hydrogen attached to the carbon atoms in the 4a- and 9b-positions are in a trans-relationship to each other and  $X_i$ , and  $Y_i$ ; are the same or different and are each hydrogen or fluoro;  $Z_i$  is nydrogen, fluoro or methoxy and n is 3 or 4 characterized by containing a dextrorotatory or racemic amine of the formula H.

with an equimolar amount of a compound of the formula III.

wherein  $X_1$ ,  $Y_1$  and  $Z_2$  are as previously defined and q is 1 or 2; in the presence of a reaction-inert organic solvent of the type hereinbefore described and an equivalent amount of sodium evanoborohydride or noble metal catalyzed hydrogen at a temperature of from -10 to  $50^{\circ}$ C.

(Complete specification 30 pages, Drawing 2 sheets).

CLASS : 32F<sub>8</sub>(c) & 55F<sub>1</sub><sup>2</sup>

153306.

Int. Class: C07d 7]00.

PROCESS FOR PREPARING 5-PHENYL-2-HYDROXY TETRAHYDROFURANE".

Applicant: PFIZER INC., a corporation organized under the laws of the State of Dalware. United States of America, of 235 East 42nd Street, New York, State of New York, United States of America.

Inventor: WILLARD MOKOWAN WELCH, JR.

Application for patent No. 460 Del'82 fled on 18th June, 1987

Divided out of Application for Patent No 726 Del 79 dated 17th October, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

## (4 claims)

A process for preparing compounds of Formula XIV.

$$z_1c_6H_4$$
  $c_0$  OH

wherein  $Z_1$  is hydrogen, fluoro or methoxy characterized in that a lectone of Formula XIII.

wherein  $Z_1$  is as hereinbefore defined is reduced by reaction with a metal hydride by known methods.

(Complete specification 37 pages. Drawing 5 sheets).

CLASS: 32F2(b) & 55E4.

153307,

Int. Class: C07d 57|00.

"PROCESS FOR PREPARING 5-ARYL 2, 3, 4, 4a 5, 9b HEXAHYDRO 1H PYRIDO 4, 3-b INDOLES".

Applicant: PFIZER INC., a corporation organized under the laws of the State of Delaware. United States of America, of 235 East 42nd Street, New York, State of New York, United States of America.

Inventor: WILLARD MCKOWAN WELCH, JR

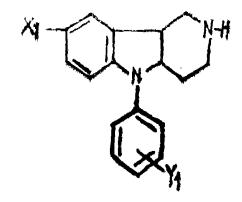
Application for Patent No. 461 Del 82 filed on 18th June, 1982.

Divided out of Application for Patent No. 726 Del 79 dated 17th October, 1979.

Appropriate Office to conjunction proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

## (5 claims)

A process for the resolution and holation of a dextrorotatory isomer of an unine characterized in that a recamic of mixture of compounds of the Formula II.



153309.

is reacted with an optically active acid such as herein described to form a salt, the salts are separated by known methods and subsequently decomposed by reacting the salt with aqueous base and the free base so-obtained is extracted using a water-immiscible solvent.

(Complete specification 12 pages. Drawing 3 sheets).

CLASS: 34A.

153308.

Int. Cl. B 01 d 13|04; B 29 d 7|00.

METHODS FOR PREPARING ANISOTROPIC MEMBRANES.

Applicants: MONSANTO COMPANY, AT 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

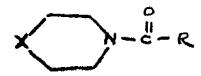
Inventors: 1. JAMES ECKHARDT KURZ, 2. MIKE CALDWELL READLING, 3. ALBERT ARTHUR BROOKS, 4. JAY MYLS STUART HENIS, 5. MARY KATHRYN TRIPODI.

Application No. 352 Cal 80 filed March 27, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### (19 claims)

A method for making an anisotropic hollow membrane in which a polymer solution of a membrane-forming polymer such as herein described in a liquid carrier such as herein described containing solvent for the membrane-forming polymer in the form of a precursor and coagulated in a liquid coagulant comprised of water, characterized in that the liquid carrier comprises N-acylated heterocyclic solvent having the structural formula I of the drawings



wherein X is -CH<sub>2</sub>-, -N<sub>1</sub>(R')-, or -O-; R is hydrogen, methyl or ethyl; and R' is hydrogen or methyl said method comprising:

- (a) extruding said polymer solution such as herein described through an annular spinnerette to form a hollow fiber precursor and said polymer solution during extrusion being at a temperature sufficient to substantially maintain said polymer in solution;
- (b) injecting a fluid such as herein described into the bore of said hollow fiber precursor as it is being extruded from said spinnerette, said injection fluid being miscible with said liquid carrier such as herein described and being injected at a rate sufficient to maintain the bore of daid hollow fiber precursor open;
- (c) containing the exterior of said hollow fiber precursor with said liquid coagulant such as herein described said liquid coagulant being essentially comprised of water and containing less than about 5 weight percent of said liquid carrier, said liquid coagulant being miscible with said liquid carrier and injection fluid, and said contact being sufficient to coagulate polymer in said hollow fiber precursor at the conditions of the liquid coagulant to provide a hollow fiber; and
- (d) washing said hollow fiber with non-solvent such as herein described for said polymer to reduce the content of said liquid carrier in said hollow fiber to less than about 5 weight percent based on the weight of the polymer in said hollow fiber

(Compl. speen 32 pages, Drgs, 3 sheets)

CLASS: 981.

Int. Cl. F 24 j 3[02.

Applicants & Inventor · HEINZ HOLTER, OF BEISENSTRASSE 39-41, 4390 GLADBECK, FEDERAL REPUBLIC OF GERMANY.

SOLAR ENERGY COLLECTOR

Application No. 481 Cal 80 filed April 25, 1980.

Conventional date 12th February 1980 (80|04630) (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Culcutta.

#### (36 claims)

A solar energy collector comprising two substantially parallel walls connected edgewise and between which are formed at least one inlet channel and one outlet channel, wherein a plurality of connection channels between the inlet channel and the outlet channel for a heat exchange fluid, is formed by profiling of at least one wall on its side facing the other wall.

(Complete specification 27 pages. Drgs. 6 sheets).

CLASS: 32F2 b.

153310.

Int. Cl. C 07 d 55|24; 55|28.

METHOD FOR THE PREPARATION OF MELAMINE.

Applicants: STAMICARBON V. V., OF P.O. BOX 10. GELEEN, THE NETHERLANDS.

Inventor: 1. RUDOLF VAN HARDEVELD.

Application No. 511 Cal 80 filed May 3, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Calcutta.

## (7 claims)

Method for the preparation of melamine by converting urea and or thermal decomposition products thereof in a fluid bed of catalytically active material in the presence of a gas mixture containing NH<sub>3</sub> and CO<sub>3</sub>, characterized in that the partial pressure of ammonia in the fluid bed is at least 70 KPa.

(Complete specification 7 pages. Drawings 2 sheets).

CLASS:  $32E + 32F_1$ ; 56G.

153311.

Int. Cl. B 01 j 1|08; C 07 c 21|06; C 08 f 3|00; 29|00.

PROCESS FOR REMOVING VINYL CHLORIDE MONOMER FROM POLYVINYL CHLORIDE LATEXES AND EQUIPMENT FOR CARRYING OUT THE PROCESS.

Applicants: MONTEDISON Sp.A.; OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors: 1. GRAZIANO VIDOTTO, 2. FEBO SELLAN, 3. ENZO BACCHETTA, 4. SANDRO MAINARDI, 5. GIOVANNI BENUSSI.

Application No. 628 Cal 80 filed May 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## (5 claims)

A process for removing vinyl chloride monomer from polyvinyl chloride latexes, comprising making the latex to continuously flow under vacuum on a heat exchange surface in the form of a thin film having a thickness ranging from 0.5 to 1.2 mm, said latex having a temperature comprised between 40° and 70°C, characterized in that the residual pressure due to said vacuum is ranging from 45 to 210 mm. Hg and that the paseous vinyl chloride monomer is temoved in equicurrent with the flowing movement of the latex.

(Complete specification 13 pages. Drawings 2 sheets).

CLASS: 84B. Int. Cl. C 101 1|32. 153312.

LIQUID FUEL COMPOSITION AND METHOD OF PREPARING THE SAME.

Applicants: AKTIESEISKABET DE DANSKE SUK-KERFABRIKKER, OF LANGEBROGADE 5, DK-1001 COPENHAGEN K, DENMARK.

Inventors: 1. RUD FRIK MADSEN, 2. WERNER KOFOD NIELSEN, 3. OLE HANSEN.

Application No. 629|Cal|80 filed May 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### (14 claims)

A liquid fuel composition comprising a liquid mineral fuel and a non-mineral combustible liquid material, characterized in that it comprises a stable emulsion as hereindescribed of said liquid mineral fuel, an aqueous solution of a product selected from the group consisting of saccharose, starch decomposition products and mixtures thereof, and at least one polymeric emulsifier.

(Complete specification 15 pages, Drawings Nil).

CLASS: 148 J.

153313.

Int. Cl. G 03 g 15|00.

AN AUTOMATIC XEROGRAPHIC REPRODUCING APPARATUS.

Applicants: XEROX CORPORATION, OF XEROX SQUARE, ROCHESTER, NEW YORK 14644, U.S.A.

Inventors: 1. DONALD JOSIAH WEIKEL, JR. 2. JOHN STEPHEN BERNHARD.

Application No. 970 Cal 80 filed August 25, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

## (11 claims)

An automatic xerographic reproducing apparatus comprising an image support surface 12 upon which an image may be formed, means 14 for moving the image support surface about a closed path, means 17, 18, 19 for forming a developed image on said image support surface, means 23 for transferring said developed image from said image support surface to a transfer member, means 26 for cleaning said image support surface after said developed image has been transferred to said transfer member, said cleaning means including cleaner housing means 51, the improvement comprising restrictor guide means 56 positioned within the cleaner housing means 51 such that any transfer member present on the image support surface as it moves into the cleaner housing means will not completely enter the cleaner housing means.

(Complete specification 17 pages. Drawing 1 sheet).

CLASS: 37A; 182, Int. Cl. C 13 d 1|12; C 13 f 1|00; C 13 g 1,02.

DEVICE FOR SEPARATING A FILTER INTO SOLIDS AND LIQUID PARTICULARLY FOR VISCOUS SUGAR FILTER INTO SUGAR CRYSTALS AND MOLASSES.

Applicants: HEIN LEHMANN AG., OF FICHTENS-TRASSF, 75, D-4000 DUSSELDORF, WEST GERMANY.

Inventor: 1. HEINRICH SCHMIDT.

Application No. 1267 Cal 80 filed November 11, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office. Calcutta

(9 claims)

A device for separating a filler into solids and liquid especially a highly viccous sugar filler into sugar crystals and molasses, with a centrifuge, a dosing device for the feeding of the filler and a device for heating the filler immediately prior to hydroextraction is characterized in that the device for heating the filler is a high-frequency heating apparatus.

(Complete specification 13 pages. Drawings 2 sheets).

CLASS: 32B; 60X2d.

153315.

Int. Cl. C 07 c 15]02.

IMPROVEMENTS IN A PROCESS FOR THE PRODUCTION OF CUMENE.

Applicants: EUTECO IMPIANTI S.p.A., OF VIA GALIANI 11, MILAN, ITALY.

Inventors : 1. HENEDETTO CALCAGNO, 2. EMANU-ELE SARTORIO, 3. CLAUDIO DIVO, 4. LUIGI VERDE.

Application No. 1401 Cal 80 filed December 18, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### (13 claims)

Improvements in a continuous process for the production of cumene by alkylation of benzene with propylene on a solid phosphoric acid catalyst, characterized by:

using two reaction steps in series, the first step being carried out in a plurality of catalyst beds in series and the second step in a catalyst bed having a volume substantially equal to the overall volume of the catalyst beds of the first step;

operating in said first and second steps in the liquid phase at a temperature of from 170° to 270°C and under a pressure of from 30 to 50 Kg|sq., cm.;

using an overally benxene propylene molar tatio of at least 6:1, continuously delivering the whole of the benzene in the liquid form to the first catalyst bed of the first step, continuously delivering a series of streams of liquid propylene respectively to the first catalyst bed of the first step and, in the form of a cold stream, between each pair of contiguous beds of the first and second steps, in such amounts that the benzene|propylene molar ratio be higher than about 16:1 at the inlet of each individual catalyst bed of the first step, and higher than about 25:1 at the inlet of the catalyst bed of the second step;

recovering by means of conventional method cumenc from the reaction products discharged from the second step.

(Complete specification 16 pages. Drawing 1 sheet).

CLASS: 174G.

153316.

Int. Cl. F 16 f 7|00.

A PANEL SUBJECT TO VIBRATION AND HAVING ONE OR MORE RESONANT FREQUENCIES AND AN ARTICLE INCORPORATING AT LEAST ONE SAID PANEL.

Applicants: CUMMINS FNGINE COMPANY, INC., OF 1000 FIFTH STREET. COLUMBUS, INDIANA 47201, UNITED STATES OF AMERICA.

Iventor: 1. TERRENCE M. SHAW.

Application No. 1448 Cal 80 filed December 31, 1980.

Appropriate office for opposition proceedings (Rule 4, Putents Bules 1972) Datent Office Colontin

## (11 claims)

A panel of the type described subject to vibration and having one or more resonant frequencies, said panel comprising a performed substantially vibrationally free-state portion having a selected configuration at nonresonant frequencies substantially equivalent to a predetermined mode shape, said mode shape being the configuration induced in an unformed panel of substantial, the same configuration when said unformed panel is excited by an incident vibration having a frequency near one or more of said resonant frequencies, the frequency at which said preformed panel experiences resonant vibrations being proportional to the degree of curvature of said mode shape and the attenuation of the resonant vibrations being proportional to the amplitude of said mode shape, whereby said variation in resonant frequency vibration response is achieved without stiffening said panel and without the attachment of any structure or damping means to said panel.

(Complete specification 13 pages. Drawings 4 sheets).

CLASS: 47 C.

153317.

Int. Cl. B 01 d 53 00; C 10 b 47 00.

A METHOD OF WASHING H<sub>2</sub>S OUT OF COKL-OVEN

Applicants: DR. C. OTTO & COMP. GmbH., OF CHRISTSTRASSE 9, 4630 BOCHUM, WEST GERMANY.

Inventor: 1. HORST RITTER.

Application No. 160 Cal 81 filed February 12, 1981.

Appropriate office for oppositon proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## (2 clants)

A method of scrubbing H2S from coke-oven gas using the sulphur-ammonia method, in which hydrogen sulphide is removed in an H<sub>2</sub>S scrubber using ammonia water, after which the ammonia in the coke-oven gas is removed by washing with water and the washing liquid flowing from the H<sub>2</sub>S scrubber is supplied to the top of a deacidifier in which hydrogen sulphide is expelled from an NHs stripper, using water vapour and, if required, NHs vapour, and is supplied for further treatment e.g. for processing to sulphuric acid, whereas the flow from the deacidifier is recycled to the top of the H<sub>2</sub>S scrubber, the installation containing a scrubbing tower having a bottom part which receives the HaS-containing vapour driven off by the deacidifier when the plant for processing the aforementioned vapour is out of action, the vapour being washed with coal water in the scrubbing tower to produce "strong liquor" whereas the gas leaving the top of the scrubber is supplied to the coke-oven gas for purification, characterised in that during normal operation, i.e. when the vapour the decidific is supplied for first the decidific to the control of the control of the control of the decidific to the decidific the decidific to the decidif leaving the deacidifier is supplied for further processing, the scrubbing tower is used to strip ammonia from the recycled liquor coming from the deacidifier, part of the stream of recycled liquor being conveyed from the top and middle of the tower downwards, during which process it is treated in counter-current by part of the coke-oven gas from the NHs scrubber, whereupon the liquid coming from the scrubbing tower is added to the recycled liquor supplied to the top of the H<sub>2</sub>S scrubber, whereas the NH<sub>3</sub> stripped by the coke-oven gas is supplied at approximately the middle of the H<sub>2</sub>S scrubber.

(Complete specification 8 pages, Drawings 2 sheets),

CLASS: 37 C.

Int. Cl. C 10 b 21/04, 21/12.

153318.

A METHOD OF MANUFACTURING COKE BY OPTIMUM DISTRIBUTION OF VERTICAL TEMPERATURE OF HEATING OF RICH GAS IN COKE OVENS AND AN APPARATUS THEREFOR.

Applicants: DR. C. OTTO & GMBH OF CHRISTST-RASSE 9, 4630 BOCHUM, WEST GERMANY.

Inventors: 1. DR. CARL-HEINZ STRUCK 2. RALF SCHUMACHER.

Application No. 283; Cal 31 filed March 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### (18 claims)

A method of manufacturing coke, wherein the vertical temperature distribution in rich-gas-heated heating flues of coke ovens is optimized, the rich gas being supplied to the heating flues through lines which extend from the nozzle cellar of the oven battery through the respective mid-feather thereabove and terminate in a burner head disposed in the bottom part of the heating flue, while the combustion-supporting air heated in the regenerator enters the heating flue through apertures at the flue base, characterised in that a blower forces a controllable proportion of the combustion-supporting air needed for coking into the discrete heating flues at the proximity of the burner port as hereinbefore described.

Compl. specn. 9 pages. Drg. 1 sheet.

CLASS: 40A & 1. Int. Cl. D 06 h 7 02, 7 08. 153319.

APPARATUS FOR THE PREDISION CUTTING OF HOLLOW FIBERS.

Applicants: ALBANY INTERNATIONAL CORP., AT 1 SAGE ROAD, MENANDS, NEW YORK 12204, U.S.A.

Inventors: J. RICHARD J. WARREN, 2. FRIEDHELM BILEWSKI.

Application No. 546 Cal 81 filed May 23, 1981,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## (1 claim)

Apparatus for the precision cutting of a continuous strip of a hollow fiber into predetermined lengths, which comprises:

A first roller for the support of the strip during cutting. said roller having an clastomeric surface; means for intermittently rotating the first roller while supporting the strip;

a plurality of cutting bades mounted about the periphery of a second roller and spaced apart from each other a distance equal to the desired predetermined lengths of the hollow fibres; and

means for intermittently rotating said second roller in spacerf relationship from the first roller so that the blades will wever the strip of hollow libers passing between the blades and the first roller, said means for rotating comprising a ratchet mechanism.

(Compl. specii. 14 pages. Drgs. 4 sheets).

CLASS: 80J.

153320.

Int. Cl. F 04 d 29|00, 29|10.

TUBEWFLL STRAJNER OR FILTER

Applicants & Inventor: BIREN DAS GUPTA,

19, SHYAMA PALLI, JADAVPUR, CALCUTTA-700032. WEST BENGAL, INDIA.

Application No. 777 Cal 31 filed July 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### (8 claims)

Tubewell strainer or filter comprising a vertically disposed metal or thermoplastic slotted pige provided with a series of holes or slots on its body, the top and the bottom ends of the said pipe being provided with external screw threads to which are serew fitted a socket and a plug respectively, a circular flange rivetted or welded to the inside of the slotted pipe just below the top screw threads and a second circular flange rivetted or welded to the inside of the slotted pipe just above the bottom screw threads, a series of thermoplastic permeable or percolation cylinder blocks placed one above the other, wherein each such cylinder block is provided with a series of transverse or vertical slits for the percolation of water therethrough wherein the width of each slit varies from 0.07 to 0.50 mm and the distance between any two consecutive slits is not more than 3 mm. characterised by that the said series of cylinder blocks are placed within the said series of cylinder blocks are placed within the said slotted pipe, each such cylinder block being provided on its outer wall with a series of vertical ribs for flush-fitting inside the said slotted pipe and the thickness of each rib being in the range of 2 to 5 mm.

(Compl. specn. 9 pages. Drg. 1 sheet).

CLASS: 157D; 159M.

155321.

Int. Cl. E 01 b 35|06.

MEASURING VEHICLES FOR ROADWAYS

Applicants: BRITISH RAILWAYS BOARD, OF 222 MARYLEBONE ROAD, LONDON N. W. 1, ENGLAND, Inventor: 1. JOHN MURRAY WATERS.

Application No. 996 Cal 81 filed September 5, 1981.

Conventional date 5th September 1980 (28813|80) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 7 Claims.

A measuring vehicle for roadways comprising tow vehicle and an instrument carrying vehicle connected for movement to the tow vehicle, the connection between the two vehicles including a periodically operative lost motion arrangement so that as the tow vehicle moves continuously along the roadway, the instrument carrying vehicle automatically remains stationary periodically.

Compl. specii. 12 pages.

Drgs. 3 sheets.

CLASS: 107G & 1,

153322.

Int. Cl. F02 m 63|00.

An INJECTOR TO INTRODUCE FUEL INTO THE CYLINDER OF  $\Lambda$  DIESEL ENGINE.

Applicants: CUMMINS ENGINE COMPANY, INC., OF 1000 FIFTH STREET, COLUMBUS, INDIANA 47201, UNITED STATES OF AMERICA.

Inventors : 1. PATRICK RYAN BADGLEY, 2. AND-REW CHARLES ROSSELLI.

Application No. 1417 Cal 81 filed December 14, 1981.

Appropriate Dir. For opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

#### 7 Claims.

An injector to introduce fuel into the cylinder of a diesel engine, said injector comprising

an elongated housing having a spray tip means at one end of said housing for introducing fuel into a combustion chamber formed in the cylinder, said housing including an inlet port for connection to a pressurized source of diesel fuel, an exist port for connection to a diesel fuel return, and a primary bore generally coextensive with said housing, said bore having first and second portions with said first portion proximate said spray tip means.

a plunger reciprocally disposed within said bore and operatively connected to reciprocating means, said plunger and bore forming a fluid-tight chamber at the first end of said bore that expands to admit fuel and partially contracts to express fuel with the reciprocation of said plunger, said chamber having an upper portion that pumps fuel and a lower scalable portion proximate said spray tip that entraps fuel to dampen plunger movement into said chamber,

a spill valve means communicating with said chamber, and operating in conjuction with said plunger,

an internal inlet passage means formed in said housing and connecting said inlet port to said chamber,

an internal spray passage means formed in said housing and connecting said upper portion of said chamber to said spray tip means, and

an internal relicf passage means formed in said housing and connecting said spill valve to said exit port, so that when said plunger is in a predetermined relative position within said bore effecting communication between said spray tip means and said exit port via said spray passage and spill valve, the pressure in said spray tip means collapses and sharply ends, injection.

Compl. speen, 16 pages.

Drgs. 2 sheets.

CLASS: 47C; 173A.

153323.

Int. Cl. B05 b 9|00; C10 b 27|04.

NOZZLE ASSEMBLY FOR LIQUID SPRAYING IN COKE OVEN ASCENTION PIPE.

Applicants: DNEHROPETROVSKY KFIIMIKO-TEKH-NOLOGICHESKY INSTITUT IMENI F.E. DZERZHINS-KOGO, OF DNEPROPETROVSK, PROSPEKT GAGA-RINA, 8, USSR.

Inventors: 1. ALESANDR DMITRIEVICH MANRO-SOV, 2. OLEG VYACHESLAVOVICH FEDULOV, 3. ALE-SANDR STEFANOVICH KOLIVASHKO, 4. BORIS IOSI-FOVICH MENIOVICH, 5. VLADIMIR ANTONOVICH NEBOGO.

Application No. 1421 Cal 81 filed December 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A nozzle assembly for spraying a liquid in the ascending pipr of a coke oven, comprising a body, at least two cylindrical chambers having different diameters formed in the body, each of the said swirl chambers having a separate tangential inlet and an axial spray nozzle, the said swirl chambers communicating with each other through a hypas passage.

Compl. specn 13 pages.

Digs. 3 sheets.

IND. CLASS: 14D2.

153324.

Int. Class: Holm 13]00.

Title: "ELECTROCHEMICAL CELL RESISTANT TO CELL ABUSE".

Applicants: DURACELL INTERNATIONAL INC., BERKSHIRE INDUSTRIAL PARE, BETHEL, CONNETTCUT 06801, UNITED STATES OF AMERICA,

Inventors : ARABINDA NARAYAN DEY & WILLIAM LEE BOWDEN.

Application No. 288 BOM 1980 filed September 20, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

## 9 Claims.

1. An electrochemical cell resistant to cell abuse such as herein defined which comprises an anode of an active metal as herein defined and an inert cathode immersed within a fluid cathode depolarizer of the kind such as herein described, said inert cathode having dispersed therein metal powder with a binder which is substantially unreactive with reaction products of said depolarizer and the anode metal cations but is a catalyst for the conversion of unstable reaction products of said depolarized and said anode metal cations into more stable species.

Compl. specn. 11 pages.

Drgs. N.L.

CLASS: 14Dz.

153325.

Ind. Cl. H01m 11[00.

IMPROVED NON-AQUEOUS FLECTROCHFMICAL CELL.

Applicants: DURACELL INTERNATIONAL INC., BERKSHIRE INDUSTRIAL PARK, BETHFL CONNECTICUT 06801, UNITED STATES OF AMERICA.

Inventor: PETER RICKER MOSES.

Application No. 289 BOM 1980 filed 20 September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch

## 7 Claims.

An improved non-aqueous electrochemical cell the components of which have not been subjected to rigorous heat pretreatment which comprises an adone of a high energy density metal such as herein defined and cathode formed of a metallic oxide of the kind such as herein described, said cathode having an amount upto 2% by weight of retained water therein, said anode and cathode being immersed in a non-aqueous electrolyte solvent having an electrolyte salt dissolved therein, said electrolyte solvent and salt being substantially unreactive with respect to the retained water of the cathode whereby there is substantially no evolution of any gaseous reaction product.

Compl. speen. 12 pages,

Drgs, Nil.

IND. CLASS: 14D2.

153326.

Int. Cl. H01m 27|00.

Title: FLECTROCHEMICAL CELL RESISTANT TO CELL ABUSE.

Applicant: DURACELL INTERNATIONAL INC., OF BERKSHIRE INDUSTRIAL PARK, BETHEL, CONNECTICUT 06801, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATES OF DELAWARE, UNITED STATES OF AMELICA.

Inventor : IOSEPH RIGHULAS BARRELLA.

Application No. 290[BOM]80 filed on September 20, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch.

#### 14 Claims.

1. An electrochemical cell resistant to cell abuse such as herein defined which comprises an anode of an active metal as as herein defined and an inert cathode, said anode and cathode being immersed in a non-aqueous electrolyte solution of the kind such as herein described which solution contains a fluid cathode depolarizer of the kind such as herein described, said mode having from 75% to 85% of the metal thereof utilizable, said cathode having a realizable capacity of at least 1 Ahrlgram and said fluid depolarizer having from 95% to 97% realizable capacity under a discharge rate and force discharge rate of 1 ampere each and an ambient temperature and a forced discharge temperature of no more than 0°C, which conditions render said inert cathode the limiting factor in the life of the cell, there being a stoichiometric excess of said cathode depolariser above the initial amount of said utilizable active metal in the anode at the start of said cell life such that at the end of the discharge life of said cell the quantity of dischargeable active metal remaining in the anode is no greater than about 15% of the amount of active metal already discharged.

Compl. specn, 22 pages,

Drg. 1 sheet.

IND. CLASS: 127G + I.

153327.

Int. Cl. F16h 37 12,

Title: A VARIABLE SPEED DRIVE.

Applicant & Inventor: HEMANT GANESH KELKAR, SIDHIVINAYAK CO-OPERATIVE HOUSING SOCIETY, PLOT NO. 53 INDIRA NAGAR, AGRA ROAD, POST CIDCO COLONY NASIK-422009, MAHARASHTRA, INDIA

Application No. 89 BOM 1981 filed April 3, 1981.

Complete after provisional left on FEB 12, 1982,

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Bombay Branch,

## 20 Claims.

- 1. An infinitely variable speed drive unit wherein the rotational speed of it's output shaft, in either direction of rotation, varies steplessly within certain limits and the said drive unit comprises.
- (b) means operatively connected to the said cyclic velocity variation mechanism unit to very the said cyclic angular velocity of it's the said driven part,
- (c) an overrunning clutch unit consisting of a driving member rotatably coupled with the said driven part of the said cyclic velocity variation mechanism unit, a driven member rotatably coupled with the said output shaft and being rotatably coupling means to couple the said driving and driven members in one direction of rotation and permitting their relative angular movement in the other direction of rotation at a time.
- (d) a plurality of rotary members like a flywheel having a large mass moment of inertia being rotatably coupled with the said driving part of the said cyclic velocity variation mechanism unit,
- (e) a plurality of rotary members like a flywheel having a large mass moment of inertia being rotatably coupled with the said outplut shaft,
- (f) means operatively connected with the said output shaft to vary it's direction of rotation.

Compl. gram, 72 pages.

Drgs. 8 sheets.

Prov. speen. 15 pages.

Drgs. 2 sheets.

CLASS: 157D4.

153328.

Int. Cl. E01b 9100.

"MEANS FOR RESILIENTLY SECURING THE RAIL TO THE SLEFPER".

Applicant: BOJJI RAJARAM, DEPUTY DIRECTOR (RESEARCH CIVIL.) ARDHAMOOLE RAMAKRISHNA BHAT, CHIEF RESEARCH ASSISTANT; MANI BHUSHAN CHAKRABARTY, SENIOR RESEARCH ASSISTANT, ALL OF RESEARCH DESIGNS AND STANDARDS ORGANISATION, MINISTRY OF RAILWAYS, MANAKNAGAR, LUCKNOW-226011, INDIA ALL INDIAN NATIONALS.

Inventors: BOJJI RAJARAM, ARDHAMOOLE RAMA-KRISHNA BHAT & MANI BHUSHAN CHAKRABARTY.

Application for patent No. 642|Del|79 filed on 13th September, 1979 and post dated to 13th March, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delbi-

## 9 Claims.

Rail fastening means for resiliently securing the rail to the sleeper comprises an insert one on each side of the rail and a clip for each side of the rail, said clip comprising a toe member(1) adapted to rest on the flange or foot of the rail on either side, said toe member being bent upwardly at each end to form a toe curve (2) of substantially inverted U shape in a plane generally perpendicular to the toe member then extending downwardly to form a reverse central curve or loop and then finally extending upwardly to form in termination a heel curve in reverse direction to the said central loop, a central pin in the eye of the insert being held within and against the central curve or loop (2A), said pin extending on either side from the insert and a second or heel pin held between the said heel curve and the shoulder of the insert.

Compl. specn, 11 pages,

Drgs, 2 sheets.

CLASS: 198B.

153329.

Int. Cl. B03d 1100.

"SEPARATION OF RUTILE FROM ILMENITE".

Applicant: UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINFSS AT TEN UOP PLAZA, ALGONOUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventors: WILLIAM KENT TOLLEY AND BECKAY JO NELSON.

Applicantion for patent No. 694|DEL|79 filed on 28th September, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 8 Claims.

A method for effecting the separation of ilmenite from rutile which comprises agitating a mixture of ilmenite and rutile particles in an aqueous hydrogen peroxide solution containing a collection agent of the kind such as herein described, sparaing said solution with air, skimming off the resultant froth containing the ilmenite, and recovering the desired rutile.

Compl. specu. 10 pages.

CLASS: 146P & 128G.

153339.

Int. Cl. A61b 5100.

"A DEVICE FOR MEASURING THE TEMPERATURE SENSATION OF THE SKIN OF A PATIENT"

Applicant: THE DIRECTOR, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI-110016, INDIA, AN INDIAN NATIONAL.

Inventor: JAGIT SINGH PASRICHA.

Application for patent No. 748 Del 79 filed on 27th October, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-

#### 3 Claims.

A device for determining the temperature sensation of the skin of a patient comprising a housing having a base member made of heat conducting material an inlet adapted to be connected to a source or sources of liquid, an outlet for the discharge of the liquid, said outlet disposed above that of said inlet, a temperature sensor disposed within said housing, and a calibrated plate for providing a reading of the temperature of the liquid within said housing.

Compl. specn. 6 pages.

Drg. 1 sheet.

**CLASS: 128G.** 

153331.

Int. Cl. A61b 5 00.

"A DEVICE FOR DETERMINING THE TOUCH SEN-SATION OF THE SKIN OF A PATIENT".

Applicant: THE DIRECTOR, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI-110016, INDIA, AN INDIAN NATIONAL,

Inventor: JAGJT SINGH PASRICHA.

Application for patent No. 749|Del|79 filed on 27th October, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-

## 7 Claims.

A device for determining the touch sensation of the skin of a patient comprising a housing with at least two retractable sensing elements as herein described each of said sensing elements held to its respective actuator, the cross sectional area of one sensing element being different to that of the other, each of said actuator when actuated allowing a predetermined length of sensing element to be displaced outwardly of said housing.

Compl. speca. 10 pages.

Drg. I sheet.

CLASS: 128G.

153332.

Int. Cl. A61b 5 00.

"A DEVICE FOR DETERMINING THE PAIN SENSATION OF THE SKIN OF A PATIENT".

Applicant: THE DIRECTOR. ALL INDIA INSTITUTE OF MEDICAL SCIENCES, ANSARI NAGAR, NEW DELHI-110016, INDIA, AN INDIAN NATIONAL.

Inventor: JAGJT SINGH PASRICHA.

Application for patent No. 750|Del|79 filed on 27th October, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

#### 7 Claims.

A device for determining the pain sensation of the skin of a patient comprising a housing, a plunger disposed within and extending beyond one end of said housing, a passage provided at the opposite end of said housing, a pin extending within said passage and capable of extending beyond said housing, a spring accommodated within said housing and between said plunger and pin.

Compl. specn. 8 pages.

Drg, 1 sheet.

CLASS: 113B.

153333.

Int. C1. F23q 3|00.

"A LOW CALORIFIC VALUE GAS IGNITOR.

Applicant: BHARAT HEAVY ELECTRICALS LTD., 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventors: KARUTHA NADAR MALARKKAN VAD-MALA NADAR MALARKAN, KRISHNA MURTHY NAND KUMAR & KRISHNA MURTHY SUBHASH BABU.

Application for patent No. 762 DEL 79 filed on 31st October, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

#### 6 Claims.

A low calorific value gas ignitor comprising a gas pipe closed at one end and having an opening for the entry of gas with the other end of the said pipe having perforations forming a gas nozzle, a spark plug mounted within said gas pipe with a teflon insulated wire from a step up transformer connected thereto, said gas pipe being surrounded by a compressed air pipe also closed at one end and having an opening for the entry of compressed air so as to define an annular space between the gas pipe and the compressed air pipe, the said nozzle end of the ignitor adapted to be mounted on the main gas burner, the compressed air and gas flowing into the nozzle end of the ignitor being in the form of a fuel rich mixture in the vicinity of the said spark plug and adapted to be ignited by the spark plug and issue in the form of a pilot flame.

Compl. specn. 9 pages.

Drg. 1 sheet.

CLASS: 86E.

153334.

Int. C1, A47b 37]00,

"A PLATFORM OF FLEXIBLE USAGE FOR SLIDE PROJECTOR".

Applicant: THE SECRETARY, NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, SRI AUROBINDO MARG, NEW DELHI-110016, INDIA, REGISTERED SOCIETY UNDER THE SOCIETIES REGISTRATION ACT, 1860, UNDER THE LAWS OF INDIA.

Inventor: VED RATNA.

Application for patent No. 774[Del]79 filed on 5th November, 1979 and post dated to 18th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 1 Claim.

A platform of adjustable height consisting of a vertical board having a series of holes inclined upwards at an angle between 35° and 60° to horizontal in which at least two loose-fit pegs are inserted in a horizontal line and on the pegs is hanged a bracket whose length of the base is between one to two times the height of the peg(s) above the base.

Compl. specn. 5 pages.

Drg. 1 sheet.

CLASS: 146 Dx.

153335.

int. Class: A63j 1[00, 3]00.

"IMPROVED REAR PROJECTION SCREEN FOR PROJECTION OF PICTURE IN A CLASSROOM".

Applicant: SECRETARY, NATIONAL COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING, SRI AUROBINDO MARG, NEW DELHI-110016, INDIA, A REGISTERED SOCIETY UNDER THE SOCIETIES REGISTRATION ACT, 1960 UNDER THE LAWS OF INDIA.

Inventor: VED RATNA.

Application for Patent No. 777[Del]79 filed on 5th November, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## (2 claims)

A rear projection screen for projection of pictures in a classroom which comprises of a pentagon shaped box having one side open for allowing a beam of light from a projector enter into said box, a plane mirror constituting another side of said box for reflecting light rays, a transluscent screen constituting another side of box being held in a frame fitted in said box, the remaining two sides being opaque, the transluscent screen and plane mirror being placed at an angle between 17½° to 27½° between each other, the length of the said mirror and the open side being between 70% to 94% and between 16% to 70% of the transluscent screen respectively.

(Complete specification 7 pages. Drawing 3 sheets).

CLASS:  $32F_{\theta(a)}$ ,

153336.

Int. Class: CO7c 51|16, C07c 67|00.

"A PROCESS FOR THE PREFARATION OF 1R CIS, 2, 2-DIMETHYL-3(2-OXOPROPYL) CYCLOPROPANE CARBOXYLIC ACID AND ITS METHYL ESTERS".

Applicant: COUNCIL OF SCIENTIFIC AND INDUST-RIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPO-RATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: RAHAT BRAN MITRA, GURUNATH NAN-MANTRAO KULKARNI, KASHINATH GANESH GORE, ZAINAB MULJIANI, PRAHLAD NARAIN KHANNA GAJANAN DATTATREYA JOSHI & BABU MANIKRAO BHAWAL.

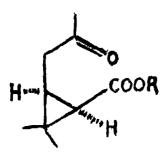
Application for patent No. 797|Del|79 filed on 9th November, 1979.

Complete specification left on 14th August, 1980.

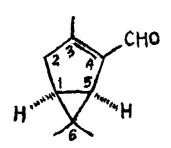
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(5 claims)

A process for the preparation of IR cls, 2,2-dimethyl-3 (2-oxopropyl)- cyclpropaue carboxylic acid and its esters of formula I



wherein R is H or methyl radical, comprising subjecting a conjugated aldehyde of formula II



to oxidation as herein described, extracting from the reaction mixture the pure ketocarboxylic acid of formula I formed with an organic solvent and recovering the ester thereof with ethereal solution of diazomethane.

(Provisional specification 4 pages).

(Complete specification 9 pages, Drawing 1 sheet).

CLASS: 103

153337.

Int. Class: C 23f 11|00.

PROCESS FOR THE PREPARATION OF A SEA WATER CORROSION INHIBITOR ADDITIVE SUBSTANCE FROM RIPE FRUITS OF A VEGETABLE PLANT, CORDIA ROTHII FOR PROTECTION OF METAL SURFACES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUST-RIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPO-RATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor: PRAFULIA RAMNIKRAI MEHTA JETHALAL KESHAVLAL LANGALIA. JITENDRA RAMANLAL SANGHAVI. DHIRAJLAL JETHLAL MEHTA.

Application for Patent No. 799[Del]79 filed on 9th November, 1979.

Complete specification left on 30th October, 1980.

Appropriate office for opposition proceedings (Rule 4, Patens Rule, 1972) Patent Office Branch, New Delhi-110005.

(5 claims)

Process for the preparation of sea water corrosion inhibitor additive substance from ripe fruits of a vegetable plant, Cordia Rothii, for protection of metal surfaces comprising drying the ripe fruit, extracting the dried fruit with a commonly known organic solvent, sieving the extract to separate the seeds from the liquor, allowing the liquor extract to stand to permit solid matter to settle decenting off the supernatant liquid subjecting the decanted off liquid to evaporation the solid mass obtained thereby being finally dried and crushed to powder form.

(Provisional specification 6 pages. Drawings 2 sheet).

(Complete specification 7 pages),

## OPPOSITION PROCEEDINGS

(1)

The opposition entered by Steelsworth Private Ltd. to the grant of a patent on application No. 150887 made by Samuel Osborn (India) Ltd. (now Known as Eureka Forbes Ltd.) as notified in the Gazette of India, Part III, Section 2 dated 23rd July, 1983 has been dismissed and ordered that a patent to be sealed.

(2)

The application for Patent No. 150491 made by Forest Products Utilization Laboratory in respect of which opposition was entered by Director General, Research Designs & Standards Organisation as notified in the Gazette of India, Part III, Section 2 dated 14th May, 1983 has been treated as withdrawn,

(3)

The opposition entered by Director General, Research designs & Standards Organisation to the grant of a patent on application No. 151575 made by Franz Plasser Bahnbaumaschinen-Industriegesellschaft M.B.H. as notified in the Gazette of India, Part III, Section 2 dated 24th December, 1983 has been dismissed and ordered that a Patent to be sealed.

(4)

An opposition has been entered by IDL Chemicals Limited to the grant of a patent on application No. 152443 made by Indian Explosives Limited.

## PATENTS SEALED

151121 151137 151616 151672 151974 151994 152001 152002 152007 152008 152010 152011 152012 152013 152014 152019 152020 152021 152024 152026 152027 152028 152029 152036 152040 152046 152048 152049

## AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that S. A. Labaz N. V. Avenue de Bajar, 1, B—1120 Bruxelles, Belgium, A Company organised and existing under the laws of Belgium have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their Patent application No, 151594 for "Process for preparing indolizine derivatives". The amendments are by way of correction to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017, or copies of the same can be had on payment of the usual conving charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

(2)

Notice is hereby given that London Leboratories Limited Co., a Connecticut Corporation, at 15 Lunar Drive Woodbridge, Connecticut 06525, United States of America, have made an application under section 57 of the Patent Act, 1970 for amendment of application and specification of their patent application No. 151794 for "Method for electroless deposition of Silver", The amendments are by way of changing name from "London Laboratories Limited Co." to "London

Laboratories Limited". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

## MECHANICAL AND GENERAL ENGINEERING LIST NO. XI

## COMMERCIAL WORKING OF PATENTED INVENTION

The following putents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by the Putentees in the statements filed by them under section 146(2) of Patents Act, 1970, in respect of Calendar Year 1982, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

**(1)** 

Sr. No.	Patent No.	Date of Patent	Name & Address of Patentees	Title of the Invention
1		3	4	5
1.	14597 <b>5</b>	21-9-1976	SCHUBERT & SALZER MASCHINEN FABRIK AG. of Friedrich-Ebert-Strasse 84, 8070, Ingolstedt, West Germany.	Method & apparatus for automatically rendering fleeces silvers rovings and the like uniform by drafting.
2.	145982	21-1-1977	PERSONAL PRODUCTS COMPANY of Milltown, New Jersey, U.S.A.	Protective absorbent liner for mether garments.
3.	145986	19-3-1977	PALITEX PROJECT—COMPANY GM-BH of Postfach 2228, 4150 Krefeld, West Germany.	Two-for-one twisting spindles.
4.	145993	4-8-1977	NITTO BOSEKI CO. LTD. of No.1 Aza Gonome-Hiahashi, Fukus- hima-Shi, Fukushime, Japan.	Method & apparatus for draw forming glass fibres.
5.	146011	8-3-1977	G.D. SOCJETA PER AZIONI of Bologna, Via Pomphonia 10, In Bologna, Italy.	Improved device for folding the head portions of inner wrappers in a machine for packeting eigarettes into hinged-lidtype packets.
6.	146050	9-8-1976	THE BLOXWICH LOCK & STAMPING COMPANY LTD of P.O. Box 4, Alexander Works, Bloxwich, Walsall Staffordshire, WS 3 2 JR, England.	Improvements in fastening mechanism for doors of mechanism for doors of vehicles or freight containing.
7.	146077	2-5-1977	OY. E. SARLIN AB of Vantaa, Finland.	Scal.
8.	116089	2-11-1977	TANAJIRAO HIRAJIRAO SHINDHE of Shri Yoge,hwar Foundries, Industrial Estate, Gokul Road, Hubli, Karnataka State, India.	An impeller arrangement for use in a turbine pump.
9.	146095	9-2-1976	OLE-BENDT RASMUSSEN of Topstykket 7 DK-3460, Birkerod, Denmark.	Circular extrusion method & apparatus involving rotation around the die axis.
10.	146140	4-6-1976	FUJI-TOYUKI CO. LTD. of 1217 Hayashik-cho, Takamatsu-Shi Kagawa-Ken, Japan.	Oil lubricating device.
11.	146160	15-3-1977	DR.C, OTTO & COMP GMBH of 463 Bochum, West Germany.	Apparatus for cleaning the doors of cooking.
12.	146172	12-11-1976	PATPAN INC of Panama (Panama)	Apparatus for vaccum drying flat pieces.
13.	146196	18-1-1977	WERKZEUGMASCHINEN OERLIKON BUEHRLE &G of Berchststrasse 155, 8050 Zurich, Switzerland.	Valve means associated with the tripples valve of a graduated release air brake for controlling the pressure in a reservoir.

1	2	3	4	5
14.	146199	11-3-1977	MATHER & PLATT LIMITED of Park, Works, Manchester M 10 6BA. England.	Improvements in or relating to heat sensitive release devices.
15.	146204	2-2-1976	GEBRUDER AHLE of 5251 Karktahl, West Germany.	A round wire helical compression spring particular for use in motor vehicles.
16.	146209	16-8-1976	CHICAGO PNEUMATIC TOOL COMPANY of 6 East, 44th Street, New York, New York, U.S.A.	Pneumatic nut runner having a directional valve and air regulator.
17.	146253	1-9-1976	FRIED KRUPP GMBH of 103, Altendorfer Strasse D-4300, Essen Federal Republic of Germany.	A box girder in particular for a dismountable bridge composed of interlocking units.
18.	146278	29-3-1977	SAINT-GOBAIN INDUSTRIES of 62 Boulevard, Victor Hugo 92209 Neuilly surseine, France	Extrusion head.
19.	146305	16-5-1977	UNION CARBIDE CORPORATION of 270 Park Avenue New York, State of New York, United States of America.	A foam composition for treating a fabric or paper substrate.
20.	146354	1-9-1976	AB CALATOR of Box 137, Ulrichehamn Svagen 36, Boras, Sweden.	Apparatus for folding and passing in particular for shirts.
21.	146363	30-9-1977	TESA S.A. of Rhue Bugnon 38, 1020 Renens, Switzerland.	Improvements to micrometers for interior or internal measurements.
22.	146366	29-1-1977	PAUL MARTIN L'ESPERANCE & ETC of Box 482, Qakwood Lane, Vailey Forge, Pennsylvania 19481 U.S.A.	Solar energy collector system.
23.	146381	9-3-1976	INSTYTUT OBROBK [PLASTYCZ-NEJ of Zumenh of a Street 2/4,61—120 Poznan 22, Poland.	Method and apparatus for forging single crank throws of semibuilt up crank shafts.
24.	146388	7-3-1977	G.D. SOCIETA PER AZIONI of Via Pomponia, 10, Bologna, Italy.	Device for guiding & holding cigarette batches in apparatuses fortransferring said batches from a conveyor upto a machine for packeting cigarettes into a hinged-lid type packets.
25.	146403	23-12-1977	AMERICAN CYANAMID COMPANY of Wayne New Jersey, U.S.A.	A direct dispensing surgical suture Label.
26.	146413	11-10-1976	SOLO INDUSTRIES PTY, LTD. of 1521 Reynolds Street, Balmain, New South Wales, Australia.	Transistorignition circuitfor an internal combustion engine.
27.	146416	7-3-1977	G.D. SOCIETA PER AZIONI of Via Pomponia, 10 Bolongna, Itlay.	Apparatus for forming groups made up by a plurality of side by side posi- tioned piles of parallelepipedon shaped articles.
28.	146436	20-9-1976	HENRI VIDAL of 8 bis, Boulevard Maillot, 92 Neuilly- Sur-Seine, France,	Reinforcement for a structure of reinforced earth.
29.	146438	24-12-1976	DRG (U. K.) LIMITED of 1 Redcliffe Street, Bristol, England.	A method of assembling a printing roll comparing a printing sleeve and a roll core and a detachable sleeve printing roll so obtained.
30.	146439	24-12-1976	DRG (U.K.) LIMITED of 1 Rodeliffe Street, Bristol, England.	A method of assembling a printing roll comprising a printing sleeve & a roll core and a detachable sleeve printing roll so obtained.
31.	146499	3-10-1977	ALUMINIUM COMPANY OF AMERICA of Aloca Building, Pittsburgh, Pennsyl- vania, U.S.A.	Metal flake production.

1	2	3	4	5
32.	146512	13-4-1976	LEVI STRAUSS & CO. of Two Embarcadero Center San Franciso, California 94106, U.S.A.	Method of manufacturing twill fabrics.
33.	146518	23-9-1976	AMERICAN STANDARD INC. of 40 West 40h Street, New York, New York 10018 U.S.A.	Brake control valve device with movable control reservoir charging valve.
34.	146563	13-1-1977	THE BABCOCK & WILCOX COM- PANY of 161, 42nd Street. New York, New York 10017 U.S.A.	Load Coll Arrangoment.
35.	146606	30-6-1977	SAINT-GOBAIN INDUSTRIES of 62 Boulevard Victor Hugo 92209 Neuilly Sur Seine, France.	Preformed polymeric sheet for use in preparing a glazing laminate.
36.	146608	29-12-1977	EXPLOSAFE S.A. of 11 Rue D'Italia 1211 Geneva 3, Switzerland.	Improved explosion suppressive filler masses and an improved method of forming the same.
37,	146638	12-1-1977	WESTINGHOUSE BRAKE AND SIGNAL COMPANY LTD. of 3 John Street, London WC1N2 ES, England.	Vehicle braking control apparatus.
38.	146649	6-6-1977	JOHNSON & JOHNSON of 501 George Street, New Brunswick, New Jersey, United States of America.	A self supporting clastic and thermo- plastic film & process for extruding the same.
39.	146650	7-6-1977	JOHNSON & JOHNSON of 501 George Street, New Brunswick, New Jersey, United States of America	A highly flexible & conformable disposable absorbent dressing.
40.	146683	22-3-1977	DYCKERHOFF & WIDMANN CG. of Sapperobogen 6800, Munchen 40, Federal Republic of Germany.	Apparatus for the production of finished prestressed concrete members.
41.	146709	24-6-1975	ABEX CORPORATION of 530 Fifth Avenue, New York, New York 10036, U.S.A.	A control valve for controlling pressure fluid for an axial piston type fluid energy translating device.
42.	146711	1-6-1976	GIRLING LIMITED of Kings Road, Tyseley, Birmigham 11, England.	Improvements in and relating to brake amemblies.
43.	146712	1-6-1976	GIRLING LIMITED of kings Road, Tyseley, Birmingham 11, England.	Improvements in and relating to brake asemblies.
44.	146713	1-6-1976	GIRLING LIMITED of Kings Road, Tyseley Birmingham 11, England.	Improvements in or relating to brakes.
45.	146714	1-6-1976	GIRLING LIMITED of Kings Road, Tyseley, Birmingham 11. England.	Improvements in or relating to disc brakes.
46.	146794	21-1-1977	PERSONAL PRODUCTS COMPANY of Mill town, New Jersey.	Non-planar arcuate shaped absorbe liner such as sanitary napkins & panty shield.
47.	146806	25-8-1977	MILES LABORATORIES of 1127 Myrtle Street, Elkhart, Indiana. U.S.A.	Method of preparing a test device for determing the presence of a constituent in ar sample, particularly a bodily fluid.
48.	146820	19-11-1976	HINDUSTAN LEVEL LIMITED of Hindustan Lever House 165-166 Backbay, Reclamation, Bombay-20 Maharashtra, India.	Toothbrushes.
49.	146826	9-8-1977	JOHNSON & JOHNSON of 501 George Street, New Brunswick, New Jorsey, U.S.A.	Pressure sensitive adhesive taps.
50.	146828	3-1-1977	RANJIT LAL JETLEY Officer-Incharge DevelopmentTeam of of Gun Carriage Factory, Jabalpur(M. P.) India.	A sight unit for use with a gun or rifle.

1	2	3	4	5
51.	146835	21-2-1977	BELOIT CORPORATION of Beloit Corporation, Wisconcin 53511, U.S.A.	Device for and method of temporarily sealing and supporting shafts.
52.	146855	15-1-1977	SOCIETE D'ETUDES DE MACHINES THERMIQUES S.E.M.T. of 2 Quai de seine 93,202 Saint Denis, France.	Improvements in or re tlaing to a device for obviating the risk of injection fuel leakage, more Particularly into the colling system of diesel engine injectors.
53.	146862	13-7-1976	JACK ST. CLAIR KILBY of 723 Midbury, Dailas Dallas County Texas United States of America.	Energy converter for the conversion and subsequent storage of energy from optical sources.
54.	146869	16-10-1976	SOCIETE D'ETUDES DE MACHINES THERMIQUES of 2 Quai De Seine 93202-Saint Denis, France.	Improvements in mushroom type valve cooled by coling fluid circulation.
55.	146871	15-12-1977	SOCIETE POUR LE DEVELOPMENT ET L'EXPOLITATION DU PALMIER A HUILE of Ivory Coast of Boite Postale 2049, Abidjan.	Appraratus for separation of the inner kernel from the shell of fruits.
56.	146879	5-11-1976	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION of P.O. Polytechnic, Ahmedabad-380015, Gujarat, India.	Process of obtaining speckled dyeing or printing effects on fabrics.
<b>5</b> 7.	146880	9-7-1976	SEKISUI KASEIHIN KOGYO K.K. of No. 1-25 Minamikyobate-cho, Nara-Shi, Nara Japan.	Die for producing receptacles from a thermoplastic resin foam sheet.
58.	146882	22-12-1976	CONTRAVES A.G. of Schaffausor-Strasse 580,8052 Zurich Switzerland.	An essembly which can be used as a ramp.
59.	1 <b>4688</b> 8	11-3-1977	KIMMON MANUFACTURING COMPANY LTD. of 2-3, 1-Chome, Shimura, Itabashi-Ku, Tokyo, Japan.	Diphragm type gas meter.
<b>6</b> 0.	146893	16-8-1976	VOEST-ALPINE AKTIEN GESELLS-CHAFT of 1011 Vicnna, Friedrichstrasse 4. Austria.	Drive means arrangement for cutting heads.
61.	146959	21-7-1976	NITTO BOSEKI COMPANY LIMITED of 1 Aza Higashi, Gonome, Fukushime-Shi, Japan,	An orifice plate for the drawing of glass.
62.	146976	2-7-1977	ICI LIMITED of Imperial Chemical House, Mill Bank London, S.W.1.P. 3 JF, England.	Apparatus for electrostatic spraying of pesticides.
63.	146990	25-10-1976	MARK SCHUMAN of 101 G Street, S.W. Washington, D.C. 20024, U.S.A.	Thermocompressor utilizing a free piston coasting between rebound chambers.
64.	147031	5-2-1977	THE ASSOCIATED CEMENT COMPANY LTD. of Cement House, 121 Maharshi Karve Road, Bombay 400 020, Maharashtra, India.	An improved system for heat hardening of agglomerates.
65.	147032	5-2-1977	THE ASSOCIATED CEMENT COMPANY LIMITED of Cement House, 121 Maharshi Karve Road, Bombay 400 020, Maharashtra, India.	A system for heat hardening of agglo- merates.
. 66.	147050	13-4-1976	SIEMENS AKTIENGESELLSCHMFT of Berlin & Munich, West Germany.	Improvements in or relating to housing assemblies for electrical apparatus.
67.	147113	26-10-1976	SOCIETE 'D'ETUDES DE MACHINES THERMIQUES S.E.M.T. of 2 Quai De Seine 93202 Saint Denies, France.	Improvements in or relating to fuel injection pumps for internal combustion engines.

1	2	3	4	5
68.	147116	1-3-1978	HOECHST AKTIENGESELLSCHAFT of 6230 Frankfurt/Main 80 Federal Republic of Germany.	Process & device for the manufacture of a tube bend of a thermoplastic material.
69.	147124	11-3-1977	WILLIAM LISTER of 36 Rabaul Street, Moorooka Queens land, 4105 Australia.	A pneumatic percussion hammer.
70.	147127	6-3-1978	SAINI-GOBAIN INDUSTRIES of 62 Boulevard Victor Hugo, 92209 Neuilly Sur Seine, France.	Method of making fat articles of a plas- tics material & articles so prepared.
71.	147146	29-10-1976	SOCIETE DE DIFFUSION ET DE RECHERCHES TECHNIQUES ET FINANCIERS S.A. of Avenue Du Chateau De La Cour CH-3960 SIERRE.	Manufacturing process for self-support- ing elements particularly roofing panels and panels constituent part of buildings and an apparatus for carrying out the process.
<b>7</b> 2.	147161	10-6-1976	SOCIETE D'ETUDES DE MACHINES THERMIQUES-S.E.M.T. of 2 Quai de seine 93202 Saint Denis, France.	Device for measuring & following the degree of wear of a first element having predetermined magnetic properties in sliding contact with a second element.
73.	147175	6-9-1976	SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS of 12 Quai Honri IV, Codex 04, 75181 Paris, France.	Improvements in or relating to a screw extruder having a screw casing connected to a bed.
74.	147181	19-10-1977	ALBERT REX FERNANDEZ c/o. Roscarch Design and Standards organisation Alambagh, Lucknow, India.	A quick release mechanism for use in a vacuum brake system of a rolling stock.
75.	147182	19-10-1977	ALBERT REX FERNANDEZ C/o. Research Design and Standards organisation, Alambagh, Lucknow, India	A vacuum brake system for rolling stock.

## MECHANICAL AND GENERAL ENGINEERING LIST XII.

(2)

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Sr. No.	Patent No.	Date of Patent	Name & Address of Patentees	Title of the invention		
1.	147193	21-3-1977	THOMAS H. SHEPHERD of 12 North Greenwood avenue, Hope well New Jersey 08525, United States of America.	A mold constructed of thermoplastic material & a process for producing contact lenges.		
2.	147214	19-11-1975	PERSONAL PRODUCTS COMPANY, of Millt own, New Jorsey, U.S.A.	A catamenial device.		
3.	147270	6-7-1977	WILTSHIRE CUTLERY COMPANY PROPRIETARY LTD. of 36-38, Albert Road, South Melbourne, Australia.	Sharpening device & knife scabbard including the same.		
4.	147272	<b>20-3-197</b> 8	QUIGLEY COMPANY INC. of 235 East 42nd Street, New York, State of New York, U.S.A.	Sprayer for repairing refractory lining.		
5.	147277	17-4-1978	WERKZEUGMASCHINEN FABRIK OERLIKON-BUEHRLE A.G. of Birchstrasso 155, CH, 8050 Zurich, Switzerland.	Automatic load-dependant zir brake.		
6.	147282	12-8-1977	F.L. SMIDTH & CO., A/S, of 77 Vigerslev Alle, DK-2500, Valby, Copenhagen, Denmark.	Mechanical adjustable roller support for drums.		
7.	147289	2-5-1978	AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, of P.O. Polytechnic, Ahmedabad-380 015, Gujrat, India.	Improvements in or relating to the method of and equipment for improving the quality of Sizing of warp yarns.		

1	2	3	4	5
8.	147297	22-9-1977	FRANZ PLASSER BAHNBAUMAS- CHINEN INDUSTRIEGESELLSCHAFT m.b.H. of Johannesgasse 3, Vienna 1, Austria.	Improvements in or relating to travelling track levelling, tamping & lining machine arrangement.
9.	1477321	27-2-1978	UNION CARBIDE CORPORATION, of 270 Park avenue New York, State of New York-100 17, U.S.A.	An improved liquid-gas contacting tray.
10.	147324	3-11-1977	PECHINEY UGINE KUHLMANN, of 23, Rue Balzac 75008 Paris, France.	A process for purigying the exhaust' gases given off by diesel type internal combustion engines.
11.	147343	27-6-1 <b>97</b> 7	WILLIAM LISTER, of 36 Rabaul Street, Moorooka, Queensland, 4105, Austria.	Rock-drilling bit for percussion hammers.
12.	147404	6-10-1975	THAGARD TECHNOLOGY COM- PANY, of 2712 kelvin avenue Irvine, State of California, U.S.A.	A process for carrying out a chemical reaction at an elevated temperature & reactor for carrying out the same.
13.	147425	22-8-1978	AUTOMOTIVE PRODUCTS PIC. of Tachbrook Road, Leamington spa. Warwickshire CV 31 3ER, England.	Clutch release bearing assembly.
14.	147 <b>4</b> 41	3-8-1976	G.D. Societa Per Azioni, of Via Pomponia 10, Bologna, Italy.	An improved rotory head device for supplying eigarettes to the feeding hopper of a cigarette packing machine.
15.	147451	7-6-1976	DR. C. OTTO & COMP. G.m.b.H. of Bochum, Wost Germany.	Regeneratively operated underjet coke oven.
16.	147455	20-4-1977	JAWA NARODNI PODNIK of Tynec Nad sazavou, Czechoslovakia.	A connection of an engine to a frame especially for single-trace motor vehicles.
17.	147467	5-10-1976	MASCHINENFABRIK REINHAUSEN GEBRUDER SCHEUBECK, G.m.b.H., of 8 Falkensteinstrasse, 84 Regensburg, F.R.G.	On-load tap changer.
18.	147475	16-5-1977	UNION CARBIDE CORPORATION, of 270 Park avenue, New York, State of New York 10017, U.S.A.	A foam applicator head for application of foam to a substrate.
19.	147491	6-8-1977	GlRLING LIMITED, of Kings Road, Tyseley, Birmingham 11, England.	Improvements in self-energising Disc brakes.
20.	147493	1-11-1977	COMPAGNIE FRANCAISE D'ETUDES ET DF CONSTRUCTION" "TECH- NIP" of 232 avenue Napoleon, Bonaparte, 92500 Rusil Malmaison, France.	Device for winding tubes arround vertical & stationary cores.
21.	147499	10-4-1978	ALSTHOM-ATLANTIQUE, of 38, Avenue Kleber, 75784, Paris codex 16, France.	Device for preventing leakages of a working fluid from a heat engine.
22.	147515	9-5-1977	OY. E. SARLIN AB, of Kaivoksola, Finland.	Impeller.
23.	147516	6-1-1978	LADISLAV JOSEPH PIRCON of 305 conterbury lane Oak Brook, Illinois 60521, U.S.A.	Low pressure drop heterogeneous reactor & process.
24.	147518	19-6-1978	BEG GLASSGROUP, of Rue Caumartin 43, Paris, France.	Method of manufacturing mirrors & mirrors so obtained.
25.	147542	4-1-1978	ENVIROTECH CORPORATION, of Salt Lake City, Utah, U.S.A.	Thickening device & method.
26.	147544	20-12-1977	CLUETT, PEABODY AND CO. INC. of 433 River Street, Troy, New York, U.S.A.	Precision moistening arrangement integrated finishing & Compressive Preshrinking range.
27.	147559	22-9-1977	FRANZ PLASSER BAHNBAUMAS- CHINEN INDUSTRIEGESELISCH- AFT m.b. H. of Johannesgasse 3, Vienna 1, AUSTRIA.	Improvements in or relating to travelling track tamping, levelling & lining machine arrangement,

1	2	3	4	5
28.	147562	19-1-1978	HINDUSTAN LEVER LIMITED of Hindustan Lever House, 165-166, Backbay Reclamation, Bombay-20, Maharashtra, India.	An improved device for pouring pourable materials such as liquids, slurries & colloids from a containers.
29.	147574	7-11-1977	USS ENGINEERS AND CONSULTANTS INC, of 600 Grant Street, Pittsburgh, State of Pennsylvania United States of America.	S Sliging gate valve.
30.	147587	11-5-1977	TESA S.A. of Rue Bugnon 38, 1020 Renens, Switzerland,	Adjustable frok gauge.
31.	147595	21-3-1978	BARRY LYNN BOSSHOLD, of 220 Atlantic 209, Santa Cruz, California, U.S.A.	Envelope opener device.
32.	147610	14-6-1977	UNITED TECHNOLOGIES of 1, Financial Plaza, Hort Ford, Connecticut 06101, UNITED STATES OF AMERICA	A gas turbine.
33,	147631	23-9-1977	DEMAG AKTIENGESELLSCHAFT, of Wolfgang Reuter Platz of D-4100 Dulsburg, F.R.G.	Device for the continuous removal of dumps of bulk material.
34.	147641	26-6-1978	KAMAL KUMAR, of 202/4, Netaji, Subhas Chandra Bose Road, Calcutta- 700 047, West Bengal, India.	A rotary currter.
35.	147650	15-2-1977	ALEXANDER GEORGE COPSON, of 52 High street, Yaddlethorpe sounthorpe, Lincolnshire, England,	Normally closed gas exhaust valve & diving gas recovery system incorporating the same.
36.	147652	- 29-4-1977	VOEST-ALPINE AKTIENGESELLSCHA- FT, of 1011, Vienna, Friedrich- strasse 4, Austria.	Device for separating dust porticles from an air stream.
37.	147668	12-1-1977	USS ENGINEERS & CONSULTANTS, INC. of 600 Grant Street, Pittsburg, State, of Pennsylvania U.S.A.	Subsurface pumping installation for handling viscous or sand-laden fluids.
38.	147686	20-8-1975	Do.	Apparatus for locating improperly positioned Rolls in a curved roll-sach.
39.	147697	5-1-1979	DUNLOP INDIA LTD., of 57B Ghalib Street, Calcutta-700 016, INDIA.	Animal drawn vehicle.
40.	147698	5-1-1979	Do,	Animal drawn vehicle.
41.	147699	5-1-1979	Do.	Animal drawn vehicle.
42.	147700	5-1-1979	Do.	Animal drawn vehicle.
43.	147704	30-6-1978	G.D. SOCIETA PER AZIONI, OF Via, Pomponia, 10, Bologna, Italy.	Device for checking that the bands joining filters to cigrettes have been sealed down.
44.	147710	25-4-1977	J.F. WERZ JR. K.G. of Presscholz- werk 7141 Oberstenfelld B. Stuttgart, F.R.G.	Process & device for the production of a mat from non-flowable molding preparations.
45.	147766	28-6-1978	UOP INC. of Ten UOP Plaza-Algonquin & Mt. Prospect roads, Des Plaines, Illinois, U.S.A.	Moving bed radial flow solids-fluid contacting apparatus.
46.	147767	12-7-1977	SCHUBERT & SALZER MASCHINEN FABRIK AKTIENGESELLSCHAFT of Friedrich-Fbertstrasse 84, 8070 Ingolstadt, West Germany.	Apparatus for winding a thread delivered at a constant speed.
47.	147788	31-10-1977	UNION CARBIDE CORPORATION, of 270 Park avenue, New York, State of New York-10017, U.S.A.	A thermomechanical scarfing process and apparatus therefor.
48.	147789	17-11-19 <b>7</b> 7	SOCIETE D'ETUDES DE MACHINES THERMIQUES S.E. MTI. of Quai de Seine, 93202, Saint Denis, France.	A supercharger set for internal com- bustion engines of reciprocating piston, type.

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49.	147805	7-10-1977	KNORR BREMSE Gm. b. H. of 8000 Munchen 40, Moosacher Str. 80, F.R.C.	Filling-up valve for compressed air brakes.
50.	147809	6-9-1977	HOECHST AKTIENGESELLSCHAFT, of Postfach 800320, Frankfurt/Main 80, F.R.G.	A hemodialysis apparatus for treatment of blood to remove waste impurities therefrom.
51.	147908	28-2-1979	DR. RAMASAMY PITCHAPPAN, of Madural, Kamaraj, University, Madural, 685021, Tamil Nadu, India.	An adaptor for preparing smears or slides.
52.	147910	25-3-1977	G.D. SOCIETA PER AZIONI, of via Pormponia 10 Bologna, Italy.	Device for adjusting the slope of side flaps in particular of piled-up card
<b>53.</b>	147918	16-3-1978	UNION CARBIDE CORPORATION, of 270 Pork avenue, New York, State of New York-100 017, U.S.A.	board blanks.  An improved gas-liquid contracting tray.
54.	147922	18-10-1978	DUNLOP INDIA LTD., of Dunlop house 57B, Mirza Ghalib street, Calcutta-700 016, Wewt Bengal, India.	A valve assembly for pressurized air or gaseous flows.
55.	147946	11-9-1978	GIRISH MOHAN KAMRA, of B-3 Greater Kailash, New Delhi-1100 048, India.	A device for use with a ceiling fan for cooling the air supplied by the fan blades
56.	147954	28-7-1978	SODASTREAM LIMITED, of 21 Wainman Road, Woodston, Peterborough, PE2, OBS, England.	Portable apparatus for carbonating Water.
57.	147967	18-12-1978	FUJI LATEX CO. LTD., of 19-1-, 3-chome, Kanda Nishi-cho, chiyoda-ku' Tokyo, Japan.	A tool for inserting an intrautering device,
58.	147968	18-12-1978	Do.	An improved intrauterine device.
59.	147996	20-3-1979	THE SOUTH INDIA TEXTILE RESEARCH ASSOCIATION, of Coimbatore Aerodrome P.O. coimbatore 641 014, Tamil Nadu, India.	Improved double carding machine.
60.	148002	21-7-1977	COLIN WILLIAM SKELTON, of 160 Kilaben Road, Kilaben Bay, New South Wales-2283, Australia.	Safety drop brake.
61.	148029	31-1-1978	GIRLING LIMITED, of Kings Road, Tyseley, Biramingham 11, England.	Hydraulic braking systems for vehicles
62.	148033	<b>2</b> 5-3-1977	ELEKTROSCHMELZWERK KEMPTEN GMBH, of Herzog-wilhel mstrasse 16, 8000 Munchen 2, F.R.G.	Furnsce Installation.
63.	148055	7-4-1977	WESTINGHOUSE ELECTRIC CORPORATION, of Westinghouse bldg, Gateway centre, Pittsburgh, Pennsylvania, 15222, U.S.A.	A rotor assembly for a gas turbine engine
64.	148086	16-3-1978	YOUNGFLEX S.A. of 1 Rue Fries, 1701, Fribourg, Switzerland.	A cushion support structure for incorporation in a seat.
65.	148092	19-09-1978	AUTOMOTIVE PRODUCTS LTD., of Tachbrook Road, Leamington spa, Warwickshire CV 31 3ER, England.	Brake fluid reservoirs
66.	148098	1-9-1977	RHEINMETALL GMBH, of 4, Dusseldorf, Ulmenstrasse 125 West Germany.	Cartridge casing for a propellant charge.
67.	148113	28-10-1977	TOMOE TECHNICAL RESEARCH COMPANY of 2-91-1, Honjyo-Naka, Higashi-Osaka-shi, osaka, Japan.	Butterfly valve.
68.	148136	18-11-1976	CHICAGO PENUMATIC TOOL COMPANY, of 6 East 44th Street, New York N.Y., U.S.A.	An oscillating air motor for use with nut running tools of the non impacting type.

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69,	148170	27-7-1978	I.S.C. SMELTING LIMITED, of 6 St. James's square, London SW 1Y, 4LD, Fngland.	Improvements in or relating to tuyeres for blast furnaces & furnaces having such tuyeres installed threin.
70.	148171	1-8-1978	CHARCON TUNNELS LIMITED, of South well Lane, Kirkby-in-Ashfield. Nottinghamshire NG 17 8FN, England	Improvements in or relating to wall segments
71.	148185	31-5-1977	TESA S.A. of Rue Bugnon 38, 1020 Renens, Switzerland.	Measuring gauge
72.	148193	21-7-1976	NITTO BOSEKI COMPANY LTD., of 1 Az <sub>2</sub> Higashi, Gonome, Fukushima shi, Japan.	An assembly for the drawing of glass fibres.
73.	148203	21-7-1978	LODGE-COTTRELL LIMITFD, of George Street, Parade, Birmingham B3, 1QQ, England.	Improvements in or relating to fume extraction.
74.	148204	4-8-1978	Do.	Improvements in or relating to gas treatment plant.
75.	148206	29-8-1978	AUTOMOTIVE PRODUCTS LTD. of Tachbrook Road, Leamington Spa, Warwickshire CV 31 3 ER, England.	Hydraulic master cylinder for a hydraulic braking system.

## RENEWAL FEES PAID

121698 121699 121771 121991 122145 122554 122789 124330 126693 126880 127039 127131 127163 127165 127202 131561 131602 131940 131684 131782 131810 132300 135377 135496 135644 135766 135767 135768 135769 135770 135878 136319 136344 136347 136359 136423 136547 137076 137085 137113 137404 137483 137510 137577 138543 138760 138777 138816 138953 139280 139405 139458 139499 140143 140904 141545 141591 141671 142107 142139 142418 143296 143572 143730 144042 144189 144223 144305 144332 144452 144577 144604 144609 144653 144728 144781 145346 145388 145693 146316 146406 146578 146581 146709 146880 147489 147610 147848 147983 148287 148289 148334 148492 148493 148535 148593 148713 148815 148947 148979 149070 149315 149488 149585 149615 149674 149779 149803 149823 149839 149877 149907 149928 149945 149944 150118 150119 150217 150510 150776 150781 150810 151207 151252 151279 151311 151432 151458 151516 151539 151612

## REGISTRATION OF DESIGNS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 147712 granted to Govida Vaidyanatha Ramaswami for on invention relating to "a process for apparatus for carrying out the said process".

The patent ceased on the 16th June, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India. Part-III, Section 2, dated the 21st April, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jogadish Bose Road, Calcutta-700017 on or before the 30th August 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 153840. D. R. Kumar Brothers, an Indian Partnership firm. "Both And Shower Mixer" 12th December, 1983.
- Class. 1. No. 153841. D. R. Kumar Brothers, an Indian Partnership firm. "Bath And Shower Mixer". 12th December, 1983.
- Class. 1. No. 154245. Onalsa Private Limited, A Company incorporated under the Indian Companies Act. Surya Kiran, 19-Kasturba Gandhi Marg, New Delhi-110001. India. An Indian Company. "Mixer Grinder". 30th March, 1984.
- Class. 1. No. 154246. Onalsa Private Limited, A Company incorporated under the Indian Companies Act. Surva Kiran, 19-Kasturba Gandhi Marg, New Delhi-110001. India, An Indian Company. "Mixer Grinder". 30th March, 1984.
- Class. I. No. 153578 Associated Engineers, A-43, Defence Colony, New Delhi-110 024, Union Territory of Delhi, India, a partnership firm. "Crimping Tool", 20th October, 1983.
- Class. 1. No. 153579. Associated Engineers, A-43, Defence Colony, New Delhi-110 024, Union Territory of Delhi, India, a Partnership firm. "Crimping Tool". 20th October, 1983.
- Class. 1. No. 153573. Nalkur Sripad Rao, An Indian Citizen
  Chairman & Managing Director Pest Control
  (India) Private Limited YUSUF BUILDING,
  Muhatma Gandhi Road, Bombay-400 023, Maharashtra, India. "Flectronic Insect Killer". 20th
  October, 1983.
- Class. 1. No. 153572. Nalkur Sripad Rao, An Indian Citizen Chairman & Managing Director Pest Control (India) Private Limited YUSUF Building, Mahatma Gandhi Road, Bombay-400.023, Maharashtra, India "Insect Killer" 20th October 1993

- Class. 1 No. 153663. Peico Illectronics and Electricals Limited, of Shivasagar Estate, Block 'A'. Dr. Annie Besant Road, Worli, Bombay 18 (WB), Maharashtra SState, India, an Indian Company. "AC Automatic voltage Regulator'. 15th November, 1983.
- Class. I. No. 154129. Golden Peacock, B-14, Greater Kailash Enclave-I, New Delhi-110048, an Indian Partnership concern, "Lamp Holder". 8th March, 1984.
- Class. 3. No. 154250. Adam Mullick. an Indian trading as Maxlok Corporation (India), 3, Lancers Road, Delhi-110007. "Thermoplastic Sheets For Packing", 2nd April, 1984.
- Class. 3. No. 153933. Pee Key Corporation, A-18, Gandhi Nagar, Ghazlabad (U.P.) (an Indian Partnership Firm) "Paper Buncher". 31st December, 1983.
- Class. 3. No. 154286. Peico Electronics and Electricals Limited, of Shivsagar Estate, Block "A". Dr. Annio Besant Road, Worli, Bombay 18 (WB), Maharashtra State, India, an Indian Company. "a Car Cassette Player". 12th April, 1984.
- Class 3, No. 154267. Vinay Electricals, 39, Sanapur Lano Chira Bazar, Bombay 400002, State of Maharashtra, an Indian Partnership Firm. "Night Lamp". 10th April, 1984.
- Class. 3. No. 154363. Crystol Plastics & Metallizing Private Limited (a private limited company duly incorporated under the Indian Companies Act) having its registered office at Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay-400025, Maharashtra State, India. "Comb". 27th April, 1984.
- Class. 3. No. 154264. Shreeram & Company, 2, Neel Gagan, 7th Road, Santacruz (East), Bombay-400055, Maharashtra, an Indian partnership Firm. "Bangle". 5th April, 1984.
- Class. 3, No. 153991. Anjali Products. 170 Bombay Talkies Compound, Malad (West). Bombay-400 064 State of Maharashtra, India. "A Nut Cutter". 21st January. 1984.
- Class. 3. No. 153992. Anjali Products, 170 Bombay Talkies Compound, Malad (West), Bombay-400 064 State of Maharashtra, India. "An Oval Scraper". 21st January, 1984.
- Class. 3. No. 153989. Anjali Products, 170 Bombay Talkies Compound, Malad (West). Bombay-400 064 State of Maharashtra, India "A Revolving Cassete Stand". 21st January, 1984.
- Class. 3. No. 153857. Interlego AIS, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark, "Toy building element". 15th December, 1983.
- Class. 3. No. 153858. Interlego A|S, a Danish Company, of Aastvej 1. DK-7190 Billund, Denmark. "Toy building element". 15th December, 1983.
- Class. 3. No. 153859. Interlego AlS, a Danish Company. of Aastvej 1, DK-7190 Billund, Denmark, "Toy building element". 15th December, 1983.
- Class. 3. No. 153662. Peico Electronics and Electricals Limited, of Shivsayar Estate, Block "A". Dr. Annie Besant Road, Worli. Rombay 18 (WB). Maharashtra State, India an Indian Company. "AC Automatic Voltage Regulator". 15th November, 1983.

- Class 3. No. 153851. Interlego AlS, a Danish Company, of Aastvej 1, DK-7190 Billund Denmark. "Toy rail element". 15th December, 1983.
- Ciass. 3. No. 153852. Interlego A/S, a Danish Company, of Aestvej 1, DK-7190 Billund, Denmark. "Toy bridge element". 15th December, 1983.
- Class. 3. No. 153853. Interlego A|S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy bridge element". 15th December, 1983.
- Class. 3. No. 153854. Interlego A[S, a Danish Company, of Aastvej 1, DK-7190 Billund, Denmark. "Toy pier". 15th December, 1983.
- Class. 3. No. 153855. Interlego A|S, a Danish Company, of Austvej 1, DK-7190 Billund Denmark. "Toy building element". 15th December, 1983.
- Class. 3. No. 153856. Interlego AlS, a Danish Company, of Aastvel 1, DK-7190 Billund, Denmark, "Toy bridge with piers". 15th December, 1983.
- Class. 3. No. 153650. Shourle Copieurs Private Limited., of C-36, Westend Colony. New Delhi-110023, India, an Indian Company "Trough". 14th November, 1983.
- Class 3. No. 153651. Shorrle Copleurs Private Limited, of C-36, Westend Colony, New Delhi-110023, India, an Indian Company. "Pump". 14th November, 1983.
- Class, 3. No. 153991. Anjali Products, 170 Bombay Talkies Compound, Malad (West) Bombay-400 064 State of Maharashtra, India. "A Head Light". 21st March, 1984.
- Class. 4. No. 153592. Jagatjit Industries Limited, 54-Mahatma Gandhi Road, Lajpat Nagar-III, New Delhi-110024 India, An Indian Company incorporated under the Indian Companies Act, "Bottle". 25th October, 1983.
- Class. 4. No. 154114. Jagatjit Industries Limited, 54- Mahatama Gandhi Road, Lajpat Nagar-III, New Delhi-110024. India. An Indian Companies incorporated under the Indian Companies Act. "Bottle". 3rd March, 1984.
- Class. 4. No. 154003. Jagatjit Industries Limited, 54- Mahatama Gundhi Road, Lajpat Nagar-III, New Delhi-110024. India. An Indian Company. "Bottle". 30th January, 1984.
- Class. 4. No. 154248. The Mahalakshmi Glass Works Private Limited. a private limited company incorporated under the Indian Companies Act, Dr. E. Moses Road, Jacob Circle. Bombay 40011. Maharashtra. "Bottle". 31st March, 1984.
- Class. 12. No. 154131. Modern Cosmetic Industries. Mapusa, Gon Maharashtra, an Indian Partnership Firm. "Toilet Soap". 9th March, 1984.

Extn.	of Copyright for the Second period of five year	rs.
No.	148541,	Class-1.
No.	148245	Class-3.

SHANTI KUMAR
Controller General of Patents, Designs
and Trade Marks